

# XSTREAM<sup>®</sup>

## Gas Analyzers X-STREAM Enhanced Series

### Modbus Manual



ROSEMOUNT™

  
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## **Chapter 1**

### **Modbus Functions**

#### **1.1 Abstract**

This chapter lists all Modbus functions and registers supported by X-STREAM gas analyzers.

Refer to the *www.Modbus.org* website for detailed documentation about programming the interface. At date of creation of this instruction manual the following documents were used:

- MODBUS Protocol Specification: Modbus\_Application\_Protocol\_V1\_1b.pdf
- MODBUS Serial Line Implementation Guide: Modbus\_over\_serial\_line\_V1\_02.pdf.
- MODBUS TCP/IP Implementation Guide: Modbus\_Messaging\_Implementation\_Guide\_V1\_0b.pdf


For a list of

supported functions

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supported parameters and registers,  
ordered by parameter tag name  
ordered by register number

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bitfield states

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#### **1.2 Modbus TCP/IP**

Before using Modbus TCP/IP take care to configure the communication properly:

 Instruction Manual HASXEE-IM-HS 6-94.

For Modbus TCP/IP the analyzer is factory configured to support DHCP servers: The mo-

ment, the powered instrument is connected to a DHCP server via ethernet, it will receive a valid IP address and become visible in the network.

If no DHCP server is available, configure the IP address manually  Instruction Manual HASXEE-IM-HS 6-94.

## 1.3 Modbus - Supported Functions

### 1.3 Supported Functions

Modbus Function	Function Code		Note <sup>1)</sup>
	decimal	(hex)	
ReadCoils	01	(0x01)	for registers of 2000
ReadDiscreteInputs	02	(0x02)	for registers of 1000
ReadHoldingRegisters	03	(0x03)	for registers of 3000, 8000, 9000, 10000
ReadInputRegisters	04	(0x04)	for registers of 4000, 8000, 9000, 10000
WriteSingleCoil	05	(0x05)	for registers of 2000
WriteSingleRegister	06	(0x06)	for registers of 3000
Diagnostic	08	(0x08)	sub function "00 = Return Query Data" only
WriteMultipleCoils	15	(0x0F)	for registers of 2000
WriteMultipleRegisters	16	(0x10)	for registers of 3000, 8000, 9000, 10000

<sup>1)</sup> Registers ranges 8000, 9000 and 10000 are **Daniel** long word or floating point registers.  
To calculate the related **Modicon** registers use the following table:

Daniel		Modicon	Data type
8001 - 8499	equals	5001 - 5999	long word
9001 - 9999	equals	6001 - 7999	floating point
10001 - 10999	equals	16001 - 17999	floating point

or  the following pages for comparisons of all Daniel and Modicon registers.

## 1.4 Modbus - Addressing

### 1.4 Addressing

#### 1.4.1 General Register Addressing

The device uses a zero based addressing mode. That means the address numbering convention starts at one. Therefore the documented addresses need to have one subtracted from them when frames are constructed to communicate with the device.

Example:

Read Register 4001

Transferred frame uses address  $4001 - 1 = 4000_{dec} = 0FA0_{hex}$

See a complete Modbus transmission frame herefore (MB-Addr = 1):

TX 01 04 0F A0 00 01 32 FC

#### 1.4.2 Bit Ordering

Some registers are using bitfield memory types which means a certain bit within a word or double word can be referenced as a Boolean. The bit numbering for those types starts at 0 and is the least significant bit of that register.

Note: Modicon Bit Ordering which would reverse the bit order is not supported.

#### 1.4.3 32-Bit Data Type Registers

The device supports the following register types as a 32-bit register:

- **FLOAT:** Single precision floating point according IEEE-754
- **DWORD:** Unsigned 32 bit value or 32-bit bitfield
- **LONG:** Signed 32-bit value

Since Modbus defines only 16-bit register types for the transmission of a 32-bit value are used two consecutive registers.

How to transmit these 2 consecutive registers is not well-defined but there has been established 3 different modes used by Modbus host systems.

These are supported by the device but the required mode has to be configured.

Configuration selections are:

- **16BitLow:** 1st register is low word of the 32-bit value, 2nd register is high word.
- **16BitHigh:** 1st register is high word of the 32-bit value, 2nd register is low word.
- **32Bit:** There is allocated only one register address for containing a 32-bit value. In the transmission frame the amount of transmitted bytes/words is doubled and the 2 consecutive words are contained. This mode we named also as Daniel mode.

#### 1.4.4 32-Bit Registers Table Marking

There is a conflict in the number of consumed register addresses between the 2 16Bit modes and the 32 Bit mode.

Therefore are defined different addressing ranges for those 32-Bit register types.

- **Modicon:** Applies to the transmission modes 16BitLow and 16BitHigh.
- **Daniel:** Applies to the 32Bit transmission mode

## 1.5 List of Parameters and Registers - Sorted by Tag Name

### 1.5 List of Parameters and Registers - Sorted by Tag Name

**Note!**

The client access column in this list provides information about the read only (RO) or read/write (R/W) access restrictions for each parameter.

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Control.Acknowledge.AllStates	2091	2091	Boolean	R/W	1=Acknowledge device's states; 0=no effect
Control.Acknowledge.Failure	2092	2092	Boolean	R/W	1=Acknowledge device's Namur Failure alarms; 0=no effect
Control.Acknowledge.FctChecks	2095	2095	Boolean	R/W	1=Acknowledge device's Namur FctCheck alarms; 0=no effect
Control.Acknowledge.LevelAlarms	2096	2096	Boolean	R/W	1=Acknowledge device's level alarms; 0=no effect
Control.Acknowledge.MaintRequests	2094	2094	Boolean	R/W	1=Acknowledge device's Namur MaintRequ alarms; 0=no effect
Control.Acknowledge.OffSpecs	2093	2093	Boolean	R/W	1=Acknowledge device's Namur Off-spec alarms; 0=no effect
Control.ApplyGas.PumpState1	2081	2081	Boolean	R/W	Pump1 state (0=Off 1=On)
Control.ApplyGas.PumpState2	2082	2082	Boolean	R/W	Pump1 state (0=Off 1=On)
Control.ApplyGas.SampleValve1	2051	2051	Boolean	R/W	0=close all valves; 1=open sample valve comp1
Control.ApplyGas.SampleValve2	2052	2052	Boolean	R/W	0=close all valves; 1=open sample valve comp2
Control.ApplyGas.SampleValve3	2053	2053	Boolean	R/W	0=close all valves; 1=open sample valve comp3
Control.ApplyGas.SampleValve4	2054	2054	Boolean	R/W	0=close all valves; 1=open sample valve comp4
Control.ApplyGas.SampleValve5	2055	2055	Boolean	R/W	0=close all valves; 1=open sample valve comp5
Control.ApplyGas.Span1Valve1	2061	2061	Boolean	R/W	0=open sample valve; 1=open span1 valve comp1
Control.ApplyGas.Span1Valve2	2065	2065	Boolean	R/W	0=open sample valve; 1=open span1 valve comp2
Control.ApplyGas.Span1Valve3	2069	2069	Boolean	R/W	0=open sample valve; 1=open span1 valve comp3
Control.ApplyGas.Span1Valve4	2073	2073	Boolean	R/W	0=open sample valve; 1=open span1 valve comp4
Control.ApplyGas.Span1Valve5	2077	2077	Boolean	R/W	0=open sample valve; 1=open span1 valve comp5
Control.ApplyGas.Span2Valve1	2062	2062	Boolean	R/W	0=open sample valve; 1=open span2 valve comp1
Control.ApplyGas.Span2Valve2	2066	2066	Boolean	R/W	0=open sample valve; 1=open span2 valve comp2
Control.ApplyGas.Span2Valve3	2070	2070	Boolean	R/W	0=open sample valve; 1=open span2 valve comp3
Control.ApplyGas.Span2Valve4	2074	2074	Boolean	R/W	0=open sample valve; 1=open span2 valve comp4

**1.5 List of Parameters and Registers - Sorted by Tag Name**

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Control.ApplyGas.Span2Valve5	2078	2078	Boolean	R/W	0=open sample valve; 1=open span2 valve comp5
Control.ApplyGas.Span3Valve1	2063	2063	Boolean	R/W	0=open sample valve; 1=open span3 valve comp1
Control.ApplyGas.Span3Valve2	2067	2067	Boolean	R/W	0=open sample valve; 1=open span3 valve comp2
Control.ApplyGas.Span3Valve3	2071	2071	Boolean	R/W	0=open sample valve; 1=open span3 valve comp3
Control.ApplyGas.Span3Valve4	2075	2075	Boolean	R/W	0=open sample valve; 1=open span3 valve comp4
Control.ApplyGas.Span3Valve5	2079	2079	Boolean	R/W	0=open sample valve; 1=open span3 valve comp5
Control.ApplyGas.Span4Valve1	2064	2064	Boolean	R/W	0=open sample valve; 1=open span4 valve comp1
Control.ApplyGas.Span4Valve2	2068	2068	Boolean	R/W	0=open sample valve; 1=open span4 valve comp2
Control.ApplyGas.Span4Valve3	2072	2072	Boolean	R/W	0=open sample valve; 1=open span4 valve comp3
Control.ApplyGas.Span4Valve4	2076	2076	Boolean	R/W	0=open sample valve; 1=open span4 valve comp4
Control.ApplyGas.Span4Valve5	2080	2080	Boolean	R/W	0=open sample valve; 1=open span4 valve comp5
Control.ApplyGas.ZeroValve1	2056	2056	Boolean	R/W	0=open sample valve; 1=open zero valve comp1
Control.ApplyGas.ZeroValve2	2057	2057	Boolean	R/W	0=open sample valve; 1=open zero valve comp2
Control.ApplyGas.ZeroValve3	2058	2058	Boolean	R/W	0=open sample valve; 1=open zero valve comp3
Control.ApplyGas.ZeroValve4	2059	2059	Boolean	R/W	0=open sample valve; 1=open zero valve comp4
Control.ApplyGas.ZeroValve5	2060	2060	Boolean	R/W	0=open sample valve; 1=open zero valve comp4
Control.Calibration.Blowback_1	2016	2016	Boolean	R/W	Blowback procedure comp1 (1=start)
Control.Calibration.Blowback_2	2017	2017	Boolean	R/W	Blowback procedure comp2 (1=start)
Control.Calibration.Blowback_3	2018	2018	Boolean	R/W	Blowback procedure comp3 (1=start)
Control.Calibration.Blowback_4	2019	2019	Boolean	R/W	Blowback procedure comp4 (1=start)
Control.Calibration.Blowback_5	2020	2020	Boolean	R/W	Blowback procedure comp5 (1=start)
Control.Calibration.Blowback_All	2025	2025	Boolean	R/W	Blowback procedure all (1=start)
Control.Calibration.Calib_Cancel	2026	2026	Boolean	R/W	Cancel any calibration (1=cancel)
Control.Calibration.ProgSequence	2024	2024	Boolean	R/W	Zero+span calibration all (1=start)
Control.Calibration.Span_1	2006	2006	Boolean	R/W	Span calibration comp1 (1=start)
Control.Calibration.Span_2	2007	2007	Boolean	R/W	Span calibration comp2 (1=start)
Control.Calibration.Span_3	2008	2008	Boolean	R/W	Span calibration comp3 (1=start)
Control.Calibration.Span_4	2009	2009	Boolean	R/W	Span calibration comp4 (1=start)
Control.Calibration.Span_5	2010	2010	Boolean	R/W	Span calibration comp5 (1=start)
Control.Calibration.Span_All	2022	2022	Boolean	R/W	Span calibration all (1=start)
Control.Calibration.Zero_1	2001	2001	Boolean	R/W	Zero calibration comp1 (1=start)
Control.Calibration.Zero_2	2002	2002	Boolean	R/W	Zero calibration comp2 (1=start)

## 1.5 List of Parameters and Registers - Sorted by Tag Name

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Control.Calibration.Zero_3	2003	2003	Boolean	R/W	Zero calibration comp3 (1=start)
Control.Calibration.Zero_4	2004	2004	Boolean	R/W	Zero calibration comp4 (1=start)
Control.Calibration.Zero_5	2005	2005	Boolean	R/W	Zero calibration comp5 (1=start)
Control.Calibration.Zero_All	2021	2021	Boolean	R/W	Zero calibration all (1=start)
Control.Calibration.ZeroSpan_1	2011	2011	Boolean	R/W	Zero+span calibration comp1 (1=start)
Control.Calibration.ZeroSpan_2	2012	2012	Boolean	R/W	Zero+span calibration comp1 (1=start)
Control.Calibration.ZeroSpan_3	2013	2013	Boolean	R/W	Zero+span calibration comp1 (1=start)
Control.Calibration.ZeroSpan_4	2014	2014	Boolean	R/W	Zero+span calibration comp1 (1=start)
Control.Calibration.ZeroSpan_5	2015	2015	Boolean	R/W	Zero+span calibration comp1 (1=start)
Control.Calibration.ZeroSpan_All	2023	2023	Boolean	R/W	Zero+span calibration all (1=start)
Control.Range.CurrentRange1	3451	3451	Word	R/W	current range comp1 (0=R1, 1=R2, 2=R3, 3=R4)
Control.Range.CurrentRange2	3452	3452	Word	R/W	current range comp2 (0=R1, 1=R2, 2=R3, 3=R4)
Control.Range.CurrentRange3	3453	3453	Word	R/W	current range comp3 (0=R1, 1=R2, 2=R3, 3=R4)
Control.Range.CurrentRange4	3454	3454	Word	R/W	current range comp4 (0=R1, 1=R2, 2=R3, 3=R4)
Control.Range.CurrentRange5	3455	3455	Word	R/W	current range comp5 (0=R1, 1=R2, 2=R3, 3=R4)
Control.Validation.Span_1	2106	2106	Boolean	R/W	Span validation comp1 (1=start)
Control.Validation.Span_2	2107	2107	Boolean	R/W	Span validation comp2 (1=start)
Control.Validation.Span_3	2108	2108	Boolean	R/W	Span validation comp3 (1=start)
Control.Validation.Span_4	2109	2109	Boolean	R/W	Span validation comp4 (1=start)
Control.Validation.Span_5	2110	2110	Boolean	R/W	Span validation comp5 (1=start)
Control.Validation.Span_All	2122	2122	Boolean	R/W	Span validation all (1=start)
Control.Validation.Zero_1	2101	2101	Boolean	R/W	Zero validation comp1 (1=start)
Control.Validation.Zero_2	2102	2102	Boolean	R/W	Zero validation comp2 (1=start)
Control.Validation.Zero_3	2103	2103	Boolean	R/W	Zero validation comp3 (1=start)
Control.Validation.Zero_4	2104	2104	Boolean	R/W	Zero validation comp4 (1=start)
Control.Validation.Zero_5	2105	2105	Boolean	R/W	Zero validation comp5 (1=start)
Control.Validation.Zero_All	2121	2121	Boolean	R/W	Zero validation all (1=start)
Control.Validation.ZeroSpan_1	2111	2111	Boolean	R/W	Zero+span validation comp1 (1=start)
Control.Validation.ZeroSpan_2	2112	2112	Boolean	R/W	Zero+span validation comp1 (1=start)
Control.Validation.ZeroSpan_3	2113	2113	Boolean	R/W	Zero+span validation comp1 (1=start)
Control.Validation.ZeroSpan_4	2114	2114	Boolean	R/W	Zero+span validation comp1 (1=start)
Control.Validation.ZeroSpan_5	2115	2115	Boolean	R/W	Zero+span validation comp1 (1=start)
Control.Validation.ZeroSpan_All	2123	2123	Boolean	R/W	Zero+span validation all (1=start)
Info.InterfaceID	4033	4033	Word	RO	ID of used Interface(1=SerProc 2=SerSvc 17=ETH1 18=ETH2)
Info.ProgramVersion	4011... 4016	4011... 4016	String	RO	software release version
Info.SensorVersion	4026	4026	Word	RO	Version number of sensor firmware
Info.SerialNumber	3141... 3147	3141... 3147	String	RO	serial number of the device
PV_LV1	16141... 16142	10071	Float	RO	Last valid Primary Variable 1 (Concentration in ppm)



**1.5 List of Parameters and Registers - Sorted by Tag Name**

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
PV_LV2	16143... 16144	10072	Float	RO	Last valid Primary Variable 2 (Concentration in ppm)
PV_LV3	16145... 16146	10073	Float	RO	Last valid Primary Variable 3 (Concentration in ppm)
PV_LV4	16147... 16148	10074	Float	RO	Last valid Primary Variable 4 (Concentration in ppm)
PV_LV5	16149... 16150	10075	Float	RO	Last valid Primary Variable 5 (Concentration in ppm)
PV1	6001... 6002	9001	Float	RO	Primary Variable 1 (Concentration in ppm)
PV2	6003... 6004	9002	Float	RO	Primary Variable 2 (Concentration in ppm)
PV3	6005... 6006	9003	Float	RO	Primary Variable 3 (Concentration in ppm)
PV4	6007... 6008	9004	Float	RO	Primary Variable 4 (Concentration in ppm)
PV5	6009... 6010	9005	Float	RO	Primary Variable 5 (Concentration in ppm)
Service.Calibration.ChanProcMode1	3311	3311	Word	R/W	cal proc mode comp1 (0=Disabled 1=Manual 2=SingleAuto 3=AdvCal)
Service.Calibration.ChanProcMode2	3312	3312	Word	R/W	cal proc mode comp2 (0=Disabled 1=Manual 2=SingleAuto 3=AdvCal)
Service.Calibration.ChanProcMode3	3313	3313	Word	R/W	cal proc mode comp3 (0=Disabled 1=Manual 2=SingleAuto 3=AdvCal)
Service.Calibration.ChanProcMode4	3314	3314	Word	R/W	cal proc mode comp4 (0=Disabled 1=Manual 2=SingleAuto 3=AdvCal)
Service.Calibration.ChanProcMode5	3315	3315	Word	R/W	cal proc mode comp5 (0=Disabled 1=Manual 2=SingleAuto 3=AdvCal)
Service.Calibration.Tubing	3316	3316	Word	R/W	Tubing (0=Parallel 1=Serial)
Service.General.ChannelActive1	3001	3001	Word	R/W	built-in component1
Service.General.ChannelActive2	3002	3002	Word	R/W	built-in component2
Service.General.ChannelActive3	3003	3003	Word	R/W	built-in component3
Service.General.ChannelActive4	3004	3004	Word	R/W	built-in component4
Service.General.ChannelActive5	3005	3005	Word	R/W	built-in component5
Service.General.Identification.CPLDVersion	4028	4028	Word	RO	Version number of CPLD firmware
Service.General.Identification.ManufacturingInfo	3251... 3266	3251... 3266	String	R/W	Infos stored for manufacturing purposes
Service.General.Identification.ProgramVersionDate	4017... 4022	4017... 4022	String	RO	software release date
Service.General.Identification.SensorBuild	4027	4027	Word	RO	Build number of sensor firmware
Service.General.Identification.SerialNumber	3141... 3147	3141... 3147	String	R/W	serial number of the device
Service.General.ResetDevice	2100	2100	Boolean	R/W	Reset the device
Service.IO.InputSimEnable1	3180	3180	Word	R/W	Enable Inputs Simulation of XDIO Card #1
Service.IO.InputSimEnable2	3200	3200	Word	R/W	Enable Inputs Simulation of XDIO Card #2
Service.IO.InputSimVal1	3235	3235	Word	R/W	Simulation Input state of a XDIO Card #1
Service.IO.InputSimVal2	3250	3250	Word	R/W	Simulation Input state of a XDIO Card #2

## 1.5 List of Parameters and Registers - Sorted by Tag Name

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Service.Measurement.AbsMaxRange1	6323... 6324	9162	Float	R/W	absolute maximum range of comp1
Service.Measurement.AbsMaxRange2	6327... 6328	9164	Float	R/W	absolute maximum range of comp2
Service.Measurement.AbsMaxRange3	6331... 6332	9166	Float	R/W	absolute maximum range of comp3
Service.Measurement.AbsMaxRange4	6335... 6336	9168	Float	R/W	absolute maximum range of comp4
Service.Measurement.AbsMaxRange5	6339... 6340	9170	Float	R/W	absolute maximum range of comp5
Service.Measurement.AbsMinRange1	6321... 6322	9161	Float	R/W	absolute minimum range of comp1
Service.Measurement.AbsMinRange2	6325... 6326	9163	Float	R/W	absolute minimum range of comp2
Service.Measurement.AbsMinRange3	6329... 6330	9165	Float	R/W	absolute minimum range of comp3
Service.Measurement.AbsMinRange4	6333... 6334	9167	Float	R/W	absolute minimum range of comp4
Service.Measurement.AbsMinRange5	6337... 6338	9169	Float	R/W	absolute minimum range of comp5
Service.Measurement.Compensation.PfactCoeffs1	6541... 6548	9271... 9274	Float	R/W	polynom coeffs for pressure factor of comp1
Service.Measurement.Compensation.PfactCoeffs2	6549... 6556	9275... 9278	Float	R/W	polynom coeffs for pressure factor of comp2
Service.Measurement.Compensation.PfactCoeffs3	6557... 6564	9279... 9282	Float	R/W	polynom coeffs for pressure factor of comp3
Service.Measurement.Compensation.PfactCoeffs4	6565... 6572	9283... 9286	Float	R/W	polynom coeffs for pressure factor of comp4
Service.Measurement.Compensation.PfactCoeffs5	6573... 6580	9287... 9290	Float	R/W	polynom coeffs for pressure factor of comp5
Service.Measurement.Compensation.PfactEnable1	3421	3421	Word	R/W	enable pressure span compensation of comp1
Service.Measurement.Compensation.PfactEnable2	3422	3422	Word	R/W	enable pressure span compensation of comp2
Service.Measurement.Compensation.PfactEnable3	3423	3423	Word	R/W	enable pressure span compensation of comp3
Service.Measurement.Compensation.PfactEnable4	3424	3424	Word	R/W	enable pressure span compensation of comp4
Service.Measurement.Compensation.PfactEnable5	3425	3425	Word	R/W	enable pressure span compensation of comp5
Service.Measurement.Compensation.PfactSensorAssign1	3426	3426	Word	R/W	assign press-sensor of span comp1 (0=Man 1=DSP_P1 2=DSP_P2 etc.)
Service.Measurement.Compensation.PfactSensorAssign2	3427	3427	Word	R/W	assign press-sensor of span comp2 (0=Man 1=DSP_P1 2=DSP_P2 etc.)
Service.Measurement.Compensation.PfactSensorAssign3	3428	3428	Word	R/W	assign press-sensor of span comp3 (0=Man 1=DSP_P1 2=DSP_P2 etc.)
Service.Measurement.Compensation.PfactSensorAssign4	3429	3429	Word	R/W	assign press-sensor of span comp4 (0=Man 1=DSP_P1 2=DSP_P2 etc.)

**1.5 List of Parameters and Registers - Sorted by Tag Name**

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Service.Measurement.Compensation.PfactSensorAssign5	3430	3430	Word	R/W	assign press-sensor of span comp5 (0=Man 1=DSP_P1 2=DSP_P2 etc.)
Service.Measurement.Compensation.TfactCoeffs1	6441... 6448	9221... 9224	Float	R/W	polynom coeffs for temperature factor of comp1
Service.Measurement.Compensation.TfactCoeffs2	6449... 6456	9225... 9228	Float	R/W	polynom coeffs for temperature factor of comp2
Service.Measurement.Compensation.TfactCoeffs3	6457... 6464	9229... 9232	Float	R/W	polynom coeffs for temperature factor of comp3
Service.Measurement.Compensation.TfactCoeffs4	6465... 6472	9233... 9236	Float	R/W	polynom coeffs for temperature factor of comp4
Service.Measurement.Compensation.TfactCoeffs5	6473... 6480	9237... 9240	Float	R/W	polynom coeffs for temperature factor of comp5
Service.Measurement.Compensation.TfactConcCoeffs1	6481... 6488	9241... 9244	Float	R/W	polynom coeffs for conc correction of temp factor comp1
Service.Measurement.Compensation.TfactConcCoeffs2	6489... 6496	9245... 9248	Float	R/W	polynom coeffs for conc correction of temp factor comp2
Service.Measurement.Compensation.TfactConcCoeffs3	6497... 6504	9249... 9252	Float	R/W	polynom coeffs for conc correction of temp factor comp3
Service.Measurement.Compensation.TfactConcCoeffs4	6505... 6512	9253... 9256	Float	R/W	polynom coeffs for conc correction of temp factor comp4
Service.Measurement.Compensation.TfactConcCoeffs5	6513... 6520	9257... 9260	Float	R/W	polynom coeffs for conc correction of temp factor comp5
Service.Measurement.Compensation.TfactEnable1	3411	3411	Word	R/W	enable temperature span compensation of comp1
Service.Measurement.Compensation.TfactEnable2	3412	3412	Word	R/W	enable temperature span compensation of comp2
Service.Measurement.Compensation.TfactEnable3	3413	3413	Word	R/W	enable temperature span compensation of comp3
Service.Measurement.Compensation.TfactEnable4	3414	3414	Word	R/W	enable temperature span compensation of comp4
Service.Measurement.Compensation.TfactEnable5	3415	3415	Word	R/W	enable temperature span compensation of comp5
Service.Measurement.Compensation.TfactSensorAssign1	3416	3416	Word	R/W	assign temp-sensor of span comp1 (0=None 1=DSP_T1 2=DSP_T2 etc.)
Service.Measurement.Compensation.TfactSensorAssign2	3417	3417	Word	R/W	assign temp-sensor of span comp2 (0=None 1=DSP_T1 2=DSP_T2 etc.)
Service.Measurement.Compensation.TfactSensorAssign3	3418	3418	Word	R/W	assign temp-sensor of span comp3 (0=None 1=DSP_T1 2=DSP_T2 etc.)
Service.Measurement.Compensation.TfactSensorAssign4	3419	3419	Word	R/W	assign temp-sensor of span comp4 (0=None 1=DSP_T1 2=DSP_T2 etc.)
Service.Measurement.Compensation.TfactSensorAssign5	3420	3420	Word	R/W	assign temp-sensor of span comp5 (0=None 1=DSP_T1 2=DSP_T2 etc.)
Service.Measurement.Compensation.TfactTemperature1	6531... 6532	9266	Float	RO	temperature for span compensation of comp1
Service.Measurement.Compensation.TfactTemperature2	6533... 6534	9267	Float	RO	temperature for span compensation of comp2
Service.Measurement.Compensation.TfactTemperature3	6535... 6536	9268	Float	RO	temperature for span compensation of comp3

## 1.5 List of Parameters and Registers - Sorted by Tag Name

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Service.Measurement.Compensation.TfactTemperature4	6537... 6538	9269	Float	RO	temperature for span compensation of comp4
Service.Measurement.Compensation.TfactTemperature5	6539... 6540	9270	Float	RO	temperature for span compensation of comp5
Service.Measurement.Compensation.ToffCoeffs1	6401... 6408	9201... 9204	Float	R/W	polynom coeffs for temperature offset of comp1
Service.Measurement.Compensation.ToffCoeffs2	6409... 6416	9205... 9208	Float	R/W	polynom coeffs for temperature offset of comp2
Service.Measurement.Compensation.ToffCoeffs3	6417... 6424	9209... 9212	Float	R/W	polynom coeffs for temperature offset of comp3
Service.Measurement.Compensation.ToffCoeffs4	6425... 6432	9213... 9216	Float	R/W	polynom coeffs for temperature offset of comp4
Service.Measurement.Compensation.ToffCoeffs5	6433... 6440	9217... 9220	Float	R/W	polynom coeffs for temperature offset of comp5
Service.Measurement.Compensation.ToffEnable1	3401	3401	Word	R/W	enable temperature zero compensation of comp1
Service.Measurement.Compensation.ToffEnable2	3402	3402	Word	R/W	enable temperature zero compensation of comp2
Service.Measurement.Compensation.ToffEnable3	3403	3403	Word	R/W	enable temperature zero compensation of comp3
Service.Measurement.Compensation.ToffEnable4	3404	3404	Word	R/W	enable temperature zero compensation of comp4
Service.Measurement.Compensation.ToffEnable5	3405	3405	Word	R/W	enable temperature zero compensation of comp5
Service.Measurement.Compensation.ToffSensorAssign1	3406	3406	Word	R/W	assign temp-sensor of zero comp1 (0=None 1=DSP_T1 2=DSP_T2 etc.
Service.Measurement.Compensation.ToffSensorAssign2	3407	3407	Word	R/W	assign temp-sensor of zero comp2 (0=None 1=DSP_T1 2=DSP_T2 etc.
Service.Measurement.Compensation.ToffSensorAssign3	3408	3408	Word	R/W	assign temp-sensor of zero comp3 (0=None 1=DSP_T1 2=DSP_T2 etc.
Service.Measurement.Compensation.ToffSensorAssign4	3409	3409	Word	R/W	assign temp-sensor of zero comp4 (0=None 1=DSP_T1 2=DSP_T2 etc.
Service.Measurement.Compensation.ToffSensorAssign5	3410	3410	Word	R/W	assign temp-sensor of zero comp5 (0=None 1=DSP_T1 2=DSP_T2 etc.
Service.Measurement.Compensation.ToffTemperature1	6521... 6522	9261	Float	RO	temperature for zero compensation of comp1
Service.Measurement.Compensation.ToffTemperature2	6523... 6524	9262	Float	RO	temperature for zero compensation of comp2
Service.Measurement.Compensation.ToffTemperature3	6525... 6526	9263	Float	RO	temperature for zero compensation of comp3
Service.Measurement.Compensation.ToffTemperature4	6527... 6528	9264	Float	RO	temperature for zero compensation of comp4
Service.Measurement.Compensation.ToffTemperature5	6529... 6530	9265	Float	RO	temperature for zero compensation of comp5
Service.Measurement.Lin.CalcResults1	3571... 3574	3571... 3574	Word	RO	LinCalc results (P1..P4) comp1 (0=NoCoeff 1=Good 2=Busy ..)
Service.Measurement.Lin.CalcResults2	3575... 3578	3575... 3578	Word	R/W	LinCalc results (P1..P4) comp2 (0=NoCoeff 1=Good 2=Busy ..)

1.5 List of Parameters and Registers - Sorted by Tag Name

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Service.Measurement.Lin.CalcResults3	3579... 3582	3579... 3582	Word	R/W	LinCalc results (P1..P4) comp3 (0=NoCoeff 1=Good 2=Busy ..)
Service.Measurement.Lin.CalcResults4	3583... 3586	3583... 3586	Word	R/W	LinCalc results (P1..P4) comp4 (0=NoCoeff 1=Good 2=Busy ..)
Service.Measurement.Lin.CalcResults5	3587... 3590	3587... 3590	Word	R/W	LinCalc results (P1..P4) comp5 (0=NoCoeff 1=Good 2=Busy ..)
Service.Measurement.Lin.CalcSets1	3526	3526	Word	R/W	LinFct PolySets (0=All 1=P1 2=P2 3=P3 4=P4) comp1
Service.Measurement.Lin.CalcSets2	3527	3527	Word	R/W	LinFct PolySets (0=All 1=P1 2=P2 3=P3 4=P4) comp2
Service.Measurement.Lin.CalcSets3	3528	3528	Word	R/W	LinFct PolySets (0=All 1=P1 2=P2 3=P3 4=P4) comp3
Service.Measurement.Lin.CalcSets4	3529	3529	Word	R/W	LinFct PolySets (0=All 1=P1 2=P2 3=P3 4=P4) comp4
Service.Measurement.Lin.CalcSets5	3530	3530	Word	R/W	LinFct PolySets (0=All 1=P1 2=P2 3=P3 4=P4) comp5
Service.Measurement.Lin.CutOff1	7185... 7186	9593	Float	R/W	Linearizer Cut-off value of comp1
Service.Measurement.Lin.CutOff2	7385... 7386	9693	Float	R/W	Linearizer Cut-off value of comp1
Service.Measurement.Lin.CutOff3	7585... 7586	9793	Float	R/W	Linearizer Cut-off value of comp1
Service.Measurement.Lin.CutOff4	7785... 7786	9893	Float	R/W	Linearizer Cut-off value of comp1
Service.Measurement.Lin.CutOff5	7985... 7986	9993	Float	R/W	Linearizer Cut-off value of comp1
Service.Measurement.Lin.Enable1	3501	3501	Word	R/W	Enable Linearizer of comp1
Service.Measurement.Lin.Enable2	3502	3502	Word	R/W	Enable Linearizer of comp1
Service.Measurement.Lin.Enable3	3503	3503	Word	R/W	Enable Linearizer of comp1
Service.Measurement.Lin.Enable4	3504	3504	Word	R/W	Enable Linearizer of comp1
Service.Measurement.Lin.Enable5	3505	3505	Word	R/W	Enable Linearizer of comp1
Service.Measurement.Lin.EnablePolyn1	3551... 3554	3551... 3554	Word	R/W	Enable polyn. linearizers (R1..R4) of comp1
Service.Measurement.Lin.EnablePolyn2	3555... 3558	3555... 3558	Word	R/W	Enable polyn. linearizers (R1..R4) of comp2
Service.Measurement.Lin.EnablePolyn3	3559... 3562	3559... 3562	Word	R/W	Enable polyn. linearizers (R1..R4) of comp3
Service.Measurement.Lin.EnablePolyn4	3563... 3566	3563... 3566	Word	R/W	Enable polyn. linearizers (R1..R4) of comp4
Service.Measurement.Lin.EnablePolyn5	3567... 3570	3567... 3570	Word	R/W	Enable polyn. linearizers (R1..R4) of comp5
Service.Measurement.Lin.Iterations1	3521	3521	Word	R/W	Lin-computing iteration steps of comp1)
Service.Measurement.Lin.Iterations2	3522	3522	Word	R/W	Lin-computing iteration steps of comp1)
Service.Measurement.Lin.Iterations3	3523	3523	Word	R/W	Lin-computing iteration steps of comp1)
Service.Measurement.Lin.Iterations4	3524	3524	Word	R/W	Lin-computing iteration steps of comp1)
Service.Measurement.Lin.Iterations5	3525	3525	Word	R/W	Lin-computing iteration steps of comp1)
Service.Measurement.Lin.LinearizerStatus1	3516	3516	Word	RO	Lin. status comp1 (0=Normal 1=Underflow 2=Overflow 3=Undefined)

## 1.5 List of Parameters and Registers - Sorted by Tag Name

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Service.Measurement.Lin.LinearizerStatus2	3517	3517	Word	RO	Lin. status comp2 (0=Normal 1=Underflow 2=Overflow 3=Undefined)
Service.Measurement.Lin.LinearizerStatus3	3518	3518	Word	RO	Lin. status comp3 (0=Normal 1=Underflow 2=Overflow 3=Undefined)
Service.Measurement.Lin.LinearizerStatus4	3519	3519	Word	RO	Lin. status comp4 (0=Normal 1=Underflow 2=Overflow 3=Undefined)
Service.Measurement.Lin.LinearizerStatus5	3520	3520	Word	RO	Lin. status comp5 (0=Normal 1=Underflow 2=Overflow 3=Undefined)
Service.Measurement.Lin.MaxValue1	7183... 7184	9592	Float	RO	Linearizer Maximum Value of comp1
Service.Measurement.Lin.MaxValue2	7383... 7384	9692	Float	RO	Linearizer Maximum Value of comp2
Service.Measurement.Lin.MaxValue3	7583... 7584	9792	Float	RO	Linearizer Maximum Value of comp3
Service.Measurement.Lin.MaxValue4	7783... 7784	9892	Float	RO	Linearizer Maximum Value of comp4
Service.Measurement.Lin.MaxValue5	7983... 7984	9992	Float	RO	Linearizer Maximum Value of comp5
Service.Measurement.Lin.Method1	3506	3506	Word	R/W	Linearization method of comp1 (0=Splines, 1=Polynom)
Service.Measurement.Lin.Method2	3507	3507	Word	R/W	Linearization method of comp2 (0=Splines, 1=Polynom)
Service.Measurement.Lin.Method3	3508	3508	Word	R/W	Linearization method of comp3 (0=Splines, 1=Polynom)
Service.Measurement.Lin.Method4	3509	3509	Word	R/W	Linearization method of comp4 (0=Splines, 1=Polynom)
Service.Measurement.Lin.Method5	3510	3510	Word	R/W	Linearization method of comp5 (0=Splines, 1=Polynom)
Service.Measurement.Lin.MinValue1	7181... 7182	9591	Float	RO	Linearizer Minimum Value of comp1
Service.Measurement.Lin.MinValue2	7381... 7382	9691	Float	RO	Linearizer Minimum Value of comp2
Service.Measurement.Lin.MinValue3	7581... 7582	9791	Float	RO	Linearizer Minimum Value of comp3
Service.Measurement.Lin.MinValue4	7781... 7782	9891	Float	RO	Linearizer Minimum Value of comp4
Service.Measurement.Lin.MinValue5	7981... 7982	9991	Float	RO	Linearizer Minimum Value of comp5
Service.Measurement.Lin.OverflowPerc1	7161... 7168	9581... 9584	Float	R/W	Lin-Overflow [%] for Range1..4 of comp1
Service.Measurement.Lin.OverflowPerc2	7361... 7368	9681... 9684	Float	R/W	Lin-Overflow [%] for Range1..4 of comp2
Service.Measurement.Lin.OverflowPerc3	7561... 7568	9781... 9784	Float	R/W	Lin-Overflow [%] for Range1..4 of comp3
Service.Measurement.Lin.OverflowPerc4	7761... 7768	9881... 9884	Float	R/W	Lin-Overflow [%] for Range1..4 of comp4
Service.Measurement.Lin.OverflowPerc5	7961... 7968	9981... 9984	Float	R/W	Lin-Overflow [%] for Range1..4 of comp5

**1.5 List of Parameters and Registers - Sorted by Tag Name**

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Service.Measurement.Lin.RangePolySet1	3531... 3534	3531... 3534	Word	R/W	polyn. set of range1..4 comp1 (0=Poly1 1=Poly2 2=Poly3 3=Poly4)
Service.Measurement.Lin.RangePolySet2	3535... 3538	3535... 3538	Word	R/W	polyn. set of range1..4 comp2 (0=Poly1 1=Poly2 2=Poly3 3=Poly4)
Service.Measurement.Lin.RangePolySet3	3539... 3542	3539... 3542	Word	R/W	polyn. set of range1..4 comp3 (0=Poly1 1=Poly2 2=Poly3 3=Poly4)
Service.Measurement.Lin.RangePolySet4	3543... 3546	3543... 3546	Word	R/W	polyn. set of range1..4 comp4 (0=Poly1 1=Poly2 2=Poly3 3=Poly4)
Service.Measurement.Lin.RangePolySet5	3547... 3550	3547... 3550	Word	R/W	polyn. set of range1..4 comp5 (0=Poly1 1=Poly2 2=Poly3 3=Poly4),
Service.Measurement.Lin.RefValPolySets1	7193... 7200	9597... 9600	Float	R/W	Reference value for PolynSets (P1..P4) of comp1
Service.Measurement.Lin.RefValPolySets2	7393... 7400	9697... 9700	Float	R/W	Reference value for PolynSets (P1..P4) of comp2
Service.Measurement.Lin.RefValPolySets3	7593... 7600	9797... 9800	Float	R/W	Reference value for PolynSets (P1..P4) of comp3
Service.Measurement.Lin.RefValPolySets4	7793... 7800	9897... 9900	Float	R/W	Reference value for PolynSets (P1..P4) of comp4
Service.Measurement.Lin.RefValPolySets5	7993... 8000	9997... 10000	Float	R/W	Reference value for PolynSets (P1..P4) of comp5
Service.Measurement.Lin.Set1Coeffs1	7121... 7130	9561... 9565	Float	R/W	Lin-Polynomial. Set1-Coeffs (A0..4) for comp1
Service.Measurement.Lin.Set1Coeffs2	7321... 7330	9661... 9665	Float	R/W	Lin-Polynomial. Set1-Coeffs (A0..4) for comp2
Service.Measurement.Lin.Set1Coeffs3	7521... 7530	9761... 9765	Float	R/W	Lin-Polynomial. Set1-Coeffs (A0..4) for comp3
Service.Measurement.Lin.Set1Coeffs4	7721... 7730	9861... 9865	Float	R/W	Lin-Polynomial. Set1-Coeffs (A0..4) for comp4
Service.Measurement.Lin.Set1Coeffs5	7921... 7930	9961... 9965	Float	R/W	Lin-Polynomial. Set1-Coeffs (A0..4) for comp5
Service.Measurement.Lin.Set2Coeffs1	7131... 7140	9566... 9570	Float	R/W	Lin-Polynomial. Set2-Coeffs (A0..4) for comp1
Service.Measurement.Lin.Set2Coeffs2	7331... 7340	9666... 9670	Float	R/W	Lin-Polynomial. Set2-Coeffs (A0..4) for comp2
Service.Measurement.Lin.Set2Coeffs3	7531... 7540	9766... 9770	Float	R/W	Lin-Polynomial. Set2-Coeffs (A0..4) for comp3
Service.Measurement.Lin.Set2Coeffs4	7731... 7740	9866... 9870	Float	R/W	Lin-Polynomial. Set2-Coeffs (A0..4) for comp4
Service.Measurement.Lin.Set2Coeffs5	7931... 7940	9966... 9970	Float	R/W	Lin-Polynomial. Set2-Coeffs (A0..4) for comp5
Service.Measurement.Lin.Set3Coeffs1	7141... 7150	9571... 9575	Float	R/W	Lin-Polynomial. Set3-Coeffs (A0..4) for comp1
Service.Measurement.Lin.Set3Coeffs2	7341... 7350	9671... 9675	Float	R/W	Lin-Polynomial. Set3-Coeffs (A0..4) for comp2
Service.Measurement.Lin.Set3Coeffs3	7541... 7550	9771... 9775	Float	R/W	Lin-Polynomial. Set3-Coeffs (A0..4) for comp3
Service.Measurement.Lin.Set3Coeffs4	7741... 7750	9871... 9875	Float	R/W	Lin-Polynomial. Set3-Coeffs (A0..4) for comp4

## 1.5 List of Parameters and Registers - Sorted by Tag Name

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Service.Measurement.Lin.Set3Coeffs5	7941... 7950	9971... 9975	Float	R/W	Lin-Polynom. Set3-Coeffs (A0..4) for comp5
Service.Measurement.Lin.Set4Coeffs1	7151... 7160	9576... 9580	Float	R/W	Lin-Polynom. Set4-Coeffs (A0..4) for comp1
Service.Measurement.Lin.Set4Coeffs2	7351... 7360	9676... 9680	Float	R/W	Lin-Polynom. Set4-Coeffs (A0..4) for comp2
Service.Measurement.Lin.Set4Coeffs3	7551... 7560	9776... 9780	Float	R/W	Lin-Polynom. Set4-Coeffs (A0..4) for comp3
Service.Measurement.Lin.Set4Coeffs4	7751... 7760	9876... 9880	Float	R/W	Lin-Polynom. Set4-Coeffs (A0..4) for comp4
Service.Measurement.Lin.Set4Coeffs5	7951... 7960	9976... 9980	Float	R/W	Lin-Polynom. Set4-Coeffs (A0..4) for comp5
Service.Measurement.Lin.StartFunction1	3511	3511	Word	R/W	LinFct c1: 1=On/Off 2=Calc 3=ToUSB 4=FromUSB 5=Install 6=ToFile
Service.Measurement.Lin.StartFunction2	3512	3512	Word	R/W	LinFct c2: 1=On/Off 2=Calc 3=ToUSB 4=FromUSB 5=Install 6=ToFile
Service.Measurement.Lin.StartFunction3	3513	3513	Word	R/W	LinFct c3: 1=On/Off 2=Calc 3=ToUSB 4=FromUSB 5=Install 6=ToFile
Service.Measurement.Lin.StartFunction4	3514	3514	Word	R/W	LinFct c4: 1=On/Off 2=Calc 3=ToUSB 4=FromUSB 5=Install 6=ToFile
Service.Measurement.Lin.StartFunction5	3515	3515	Word	R/W	LinFct c5: 1=On/Off 2=Calc 3=ToUSB 4=FromUSB 5=Install 6=ToFile
Service.Measurement.Lin.TableXValues1	7001... 7006	9501... 9503	Float	R/W	Linearization table X-Values of comp1
Service.Measurement.Lin.TableXValues2	7201... 7206	9601... 9603	Float	R/W	Linearization table X-Values of comp2
Service.Measurement.Lin.TableXValues3	7401... 7406	9701... 9703	Float	R/W	Linearization table X-Values of comp3
Service.Measurement.Lin.TableXValues4	7601... 7606	9801... 9803	Float	R/W	Linearization table X-Values of comp4
Service.Measurement.Lin.TableXValues5	7801... 7806	9901... 9903	Float	R/W	Linearization table X-Values of comp5
Service.Measurement.Lin.TableYValues1	7061... 7066	9531... 9533	Float	R/W	Linearization table Y-Values of comp1
Service.Measurement.Lin.TableYValues2	7261... 7266	9631... 9633	Float	R/W	Linearization table Y-Values of comp2
Service.Measurement.Lin.TableYValues3	7461... 7466	9731... 9733	Float	R/W	Linearization table Y-Values of comp3
Service.Measurement.Lin.TableYValues4	7661... 7666	9831... 9833	Float	R/W	Linearization table Y-Values of comp4
Service.Measurement.Lin.TableYValues5	7861... 7866	9931... 9933	Float	R/W	Linearization table Y-Values of comp5
Service.Measurement.Lin.UnderflowPerc1	7169... 7176	9585... 9588	Float	R/W	Lin-Underflow [%] for Range1..4 of comp1
Service.Measurement.Lin.UnderflowPerc2	7369... 7376	9685... 9688	Float	R/W	Lin-Underflow [%] for Range1..4 of comp2
Service.Measurement.Lin.UnderflowPerc3	7569... 7576	9785... 9788	Float	R/W	Lin-Underflow [%] for Range1..4 of comp3



**1.5 List of Parameters and Registers - Sorted by Tag Name**

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Service.Measurement.Lin.UnderflowPerc4	7769... 7776	9885... 9888	Float	R/W	Lin-Underflow [%] for Range1..4 of comp4
Service.Measurement.Lin.UnderflowPerc5	7969... 7976	9985... 9988	Float	R/W	Lin-Underflow [%] for Range1..4 of comp5
Service.Measurement.Simulation.PVARawValue1	6011... 6012	9006	Float	RO	value for rawPVA of comp1
Service.Measurement.Simulation.PVARawValue2	6013... 6014	9007	Float	RO	value for rawPVA of comp2
Service.Measurement.Simulation.PVARawValue3	6015... 6016	9008	Float	RO	value for rawPVA of comp3
Service.Measurement.Simulation.PVARawValue4	6017... 6018	9009	Float	RO	value for rawPVA of comp4
Service.Measurement.Simulation.PVARawValue5	6019... 6020	9010	Float	RO	value for rawPVA of comp5
Service.Measurement.Simulation.SimPVARawEnable1	3456	3456	Word	R/W	enable simulation for rawPVA of comp1
Service.Measurement.Simulation.SimPVARawEnable2	3457	3457	Word	R/W	enable simulation for rawPVA of comp2
Service.Measurement.Simulation.SimPVARawEnable3	3458	3458	Word	R/W	enable simulation for rawPVA of comp3
Service.Measurement.Simulation.SimPVARawEnable4	3459	3459	Word	R/W	enable simulation for rawPVA of comp4
Service.Measurement.Simulation.SimPVARawEnable5	3460	3460	Word	R/W	enable simulation for rawPVA of comp5
Service.Measurement.Simulation.SimPVARawValue1	6971... 6972	9486	Float	R/W	simulation value for rawPVA of comp1
Service.Measurement.Simulation.SimPVARawValue2	6973... 6974	9487	Float	R/W	simulation value for rawPVA of comp2
Service.Measurement.Simulation.SimPVARawValue3	6975... 6976	9488	Float	R/W	simulation value for rawPVA of comp3
Service.Measurement.Simulation.SimPVARawValue4	6977... 6978	9489	Float	R/W	simulation value for rawPVA of comp4
Service.Measurement.Simulation.SimPVARawValue5	6979... 6980	9490	Float	R/W	simulation value for rawPVA of comp5
Service.Measurement.Simulation.SimXSPMuxEnable1	3461... 3468	3461... 3468	Word	R/W	enable simulation for XSP's multiplexer value1..8
Service.Measurement.Simulation.SimXSPMuxValue1	6981... 6996	9491... 9498	Float	R/W	simulation value for XSP's multiplexer value1..8
Service.Measurement.Simulation.XSPMuxValue1	6341... 6356	9171... 9178	Float	RO	values for XSP's multiplexer value1..8
Service.Status.DeviceStates.ChStateForce1	5311... 5320	8156... 8160	DWord	R/W	Forcing for comp1's state bitfield (b0:.....)
Service.Status.DeviceStates.ChStateForce2	5321... 5330	8161... 8165	DWord	R/W	Forcing for comp2's state bitfield (b0:.....)
Service.Status.DeviceStates.ChStateForce3	5331... 5340	8166... 8170	DWord	R/W	Forcing for comp3's state bitfield (b0:.....)
Service.Status.DeviceStates.ChStateForce4	5341... 5350	8171... 8175	DWord	R/W	Forcing for comp4's state bitfield (b0:.....)

## 1.5 List of Parameters and Registers - Sorted by Tag Name

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Service.Status.DeviceStates.ChStateForce5	5351... 5360	8176... 8180	DWord	R/W	Forcing for comp5's state bitfield (b0:.....)
Service.Status.DeviceStates.ChStateInhibit1	5251... 5260	8126... 8130	DWord	R/W	Inhibit for comp1's state bitfield (b0:.....)
Service.Status.DeviceStates.ChStateInhibit2	5261... 5270	8131... 8135	DWord	R/W	Inhibit for comp2's state bitfield (b0:.....)
Service.Status.DeviceStates.ChStateInhibit3	5271... 5280	8136... 8140	DWord	R/W	Inhibit for comp3's state bitfield (b0:.....)
Service.Status.DeviceStates.ChStateInhibit4	5281... 5290	8141... 8145	DWord	R/W	Inhibit for comp4's state bitfield (b0:.....)
Service.Status.DeviceStates.ChStateInhibit5	5291... 5300	8146... 8150	DWord	R/W	Inhibit for comp5's state bitfield (b0:.....)
Service.Status.DeviceStates.DvcStateForce	5301... 5310	8151... 8155	DWord	R/W	Forcing for device (N0) state bitfield (b0:.....)
Service.Status.DeviceStates.DvcStateInhibit	5241... 5250	8121... 8125	DWord	R/W	Inhibit for device (N0) state bitfield (b0:.....)
Service.Status.NAMUR.FailureMap	5029... 5030	8015	DWord	RO	Bitmask that maps cond. for failure source
Service.Status.NAMUR.FailureMask	5021... 5022	8011	DWord	R/W	Bitmask that disables failure sources
Service.Status.NAMUR.FctCheckMap	5035... 5036	8018	DWord	RO	Bitmask that maps cond. for FctCheck source
Service.Status.NAMUR.FctCheckMask	5027... 5028	8014	DWord	R/W	Bitmask that disables NAMUR FctCheck sources
Service.Status.NAMUR.MaintMap	5033... 5034	8017	DWord	RO	Bitmask that maps cond. for maintenance request source
Service.Status.NAMUR.MaintMask	5025... 5026	8013	DWord	R/W	Bitmask that disables NAMUR maintenance request sources
Service.Status.NAMUR.OffSpecMap	5031... 5032	8016	DWord	RO	Bitmask that maps cond. to OffSpec source
Service.Status.NAMUR.OffSpecMask	5023... 5024	8012	DWord	R/W	Bitmask that disables NAMUR OffSpec sources
Setup.Calibration.CurrentSpangas1	6111... 6112	9056	Float	R/W	current span gas of comp1
Setup.Calibration.CurrentSpangas2	6113... 6114	9057	Float	R/W	current span gas of comp2
Setup.Calibration.CurrentSpangas3	6115... 6116	9058	Float	R/W	current span gas of comp3
Setup.Calibration.CurrentSpangas4	6117... 6118	9059	Float	R/W	current span gas of comp4
Setup.Calibration.CurrentSpangas5	6119... 6120	9060	Float	R/W	current span gas of comp5
Setup.Calibration.CurrentZerogas1	6101... 6102	9051	Float	R/W	current zero gas of comp1
Setup.Calibration.CurrentZerogas2	6103... 6104	9052	Float	R/W	current zero gas of comp2
Setup.Calibration.CurrentZerogas3	6105... 6106	9053	Float	R/W	current zero gas of comp3

**1.5 List of Parameters and Registers - Sorted by Tag Name**

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Setup.Calibration.CurrentZerogas4	6107... 6108	9054	Float	R/W	current zero gas of comp4
Setup.Calibration.CurrentZerogas5	6109... 6110	9055	Float	R/W	current zero gas of comp5
Setup.Calibration.Range1Spangas1	6261... 6262	9131	Float	R/W	span gas of range1 of comp1
Setup.Calibration.Range1Spangas2	6269... 6270	9135	Float	R/W	span gas of range1 of comp2
Setup.Calibration.Range1Spangas3	6277... 6278	9139	Float	R/W	span gas of range1 of comp3
Setup.Calibration.Range1Spangas4	6285... 6286	9143	Float	R/W	span gas of range1 of comp4
Setup.Calibration.Range1Spangas5	6293... 6294	9147	Float	R/W	span gas of range1 of comp5
Setup.Calibration.Range1Zerogas1	6221... 6222	9111	Float	R/W	zero gas of range1 of comp1
Setup.Calibration.Range1Zerogas2	6229... 6230	9115	Float	R/W	zero gas of range1 of comp2
Setup.Calibration.Range1Zerogas3	6237... 6238	9119	Float	R/W	zero gas of range1 of comp3
Setup.Calibration.Range1Zerogas4	6245... 6246	9123	Float	R/W	zero gas of range1 of comp4
Setup.Calibration.Range1Zerogas5	6253... 6254	9127	Float	R/W	zero gas of range1 of comp5
Setup.Calibration.Range2Spangas1	6263... 6264	9132	Float	R/W	span gas of range2 of comp1
Setup.Calibration.Range2Spangas2	6271... 6272	9136	Float	R/W	span gas of range2 of comp2
Setup.Calibration.Range2Spangas3	6279... 6280	9140	Float	R/W	span gas of range2 of comp3
Setup.Calibration.Range2Spangas4	6287... 6288	9144	Float	R/W	span gas of range2 of comp4
Setup.Calibration.Range2Spangas5	6295... 6296	9148	Float	R/W	span gas of range2 of comp5
Setup.Calibration.Range2Zerogas1	6223... 6224	9112	Float	R/W	zero gas of range2 of comp1
Setup.Calibration.Range2Zerogas2	6231... 6232	9116	Float	R/W	zero gas of range2 of comp2
Setup.Calibration.Range2Zerogas3	6239... 6240	9120	Float	R/W	zero gas of range2 of comp3
Setup.Calibration.Range2Zerogas4	6247... 6248	9124	Float	R/W	zero gas of range2 of comp4
Setup.Calibration.Range2Zerogas5	6255... 6256	9128	Float	R/W	zero gas of range2 of comp5
Setup.Calibration.Range3Spangas1	6265... 6266	9133	Float	R/W	span gas of range3 of comp1
Setup.Calibration.Range3Spangas2	6273... 6274	9137	Float	R/W	span gas of range3 of comp2

## 1.5 List of Parameters and Registers - Sorted by Tag Name

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Setup.Calibration.Range3Spangas3	6281... 6282	9141	Float	R/W	span gas of range3 of comp3
Setup.Calibration.Range3Spangas4	6289... 6290	9145	Float	R/W	span gas of range3 of comp4
Setup.Calibration.Range3Spangas5	6297... 6298	9149	Float	R/W	span gas of range3 of comp5
Setup.Calibration.Range3Zerogas1	6225... 6226	9113	Float	R/W	zero gas of range3 of comp1
Setup.Calibration.Range3Zerogas2	6233... 6234	9117	Float	R/W	zero gas of range3 of comp2
Setup.Calibration.Range3Zerogas3	6241... 6242	9121	Float	R/W	zero gas of range3 of comp3
Setup.Calibration.Range3Zerogas4	6249... 6250	9125	Float	R/W	zero gas of range3 of comp4
Setup.Calibration.Range3Zerogas5	6257... 6258	9129	Float	R/W	zero gas of range3 of comp5
Setup.Calibration.Range4Spangas1	6267... 6268	9134	Float	R/W	span gas of range4 of comp1
Setup.Calibration.Range4Spangas2	6275... 6276	9138	Float	R/W	span gas of range4 of comp2
Setup.Calibration.Range4Spangas3	6283... 6284	9142	Float	R/W	span gas of range4 of comp3
Setup.Calibration.Range4Spangas4	6291... 6292	9146	Float	R/W	span gas of range4 of comp4
Setup.Calibration.Range4Spangas5	6299... 6300	9150	Float	R/W	span gas of range4 of comp5
Setup.Calibration.Range4Zerogas1	6227... 6228	9114	Float	R/W	zero gas of range4 of comp1
Setup.Calibration.Range4Zerogas2	6235... 6236	9118	Float	R/W	zero gas of range4 of comp2
Setup.Calibration.Range4Zerogas3	6243... 6244	9122	Float	R/W	zero gas of range4 of comp3
Setup.Calibration.Range4Zerogas4	6251... 6252	9126	Float	R/W	zero gas of range4 of comp4
Setup.Calibration.Range4Zerogas5	6259... 6260	9130	Float	R/W	zero gas of range4 of comp5
Setup.Calibration.SpanCalDeviatReset1	2046	2046	Boolean	R/W	Reset span cal deviations of comp1 (1=reset)
Setup.Calibration.SpanCalDeviatReset2	2047	2047	Boolean	R/W	Reset span cal deviations of comp2 (1=reset)
Setup.Calibration.SpanCalDeviatReset3	2048	2048	Boolean	R/W	Reset span cal deviations of comp3 (1=reset)
Setup.Calibration.SpanCalDeviatReset4	2049	2049	Boolean	R/W	Reset span cal deviations of comp4 (1=reset)
Setup.Calibration.SpanCalDeviatReset5	2050	2050	Boolean	R/W	Reset span cal deviations of comp5 (1=reset)
Setup.Calibration.SpanCalTolerance1	16011... 16012	10006	Float	R/W	span cal tolerance in % of comp1

**1.5 List of Parameters and Registers - Sorted by Tag Name**

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Setup.Calibration.SpanCalTolerance2	16013... 16014	10007	Float	R/W	span cal tolerance in % of comp2
Setup.Calibration.SpanCalTolerance3	16015... 16016	10008	Float	R/W	span cal tolerance in % of comp3
Setup.Calibration.SpanCalTolerance4	16017... 16018	10009	Float	R/W	span cal tolerance in % of comp4
Setup.Calibration.SpanCalTolerance5	16019... 16020	10010	Float	R/W	span cal tolerance in % of comp5
Setup.Calibration.SpanMethod1	3306	3306	Word	R/W	span cal method comp1 (0=Instant, 1=Stability)
Setup.Calibration.SpanMethod2	3307	3307	Word	R/W	span cal method comp2 (0=Instant, 1=Stability)
Setup.Calibration.SpanMethod3	3308	3308	Word	R/W	span cal method comp2 (0=Instant, 1=Stability)
Setup.Calibration.SpanMethod4	3309	3309	Word	R/W	span cal method comp4 (0=Instant, 1=Stability)
Setup.Calibration.SpanMethod5	3310	3310	Word	R/W	span cal method comp5 (0=Instant, 1=Stability)
Setup.Calibration.ZeroCalDeviatReset1	2041	2041	Boolean	R/W	Reset zero cal deviations of comp1 (1=reset)
Setup.Calibration.ZeroCalDeviatReset2	2042	2042	Boolean	R/W	Reset zero cal deviations of comp2 (1=reset)
Setup.Calibration.ZeroCalDeviatReset3	2043	2043	Boolean	R/W	Reset zero cal deviations of comp3 (1=reset)
Setup.Calibration.ZeroCalDeviatReset4	2044	2044	Boolean	R/W	Reset zero cal deviations of comp4 (1=reset)
Setup.Calibration.ZeroCalDeviatReset5	2045	2045	Boolean	R/W	Reset zero cal deviations of comp5 (1=reset)
Setup.Calibration.ZeroCalTolerance1	16001... 16002	10001	Float	R/W	zero cal tolerance in % of comp1
Setup.Calibration.ZeroCalTolerance2	16003... 16004	10002	Float	R/W	zero cal tolerance in % of comp2
Setup.Calibration.ZeroCalTolerance3	16005... 16006	10003	Float	R/W	zero cal tolerance in % of comp3
Setup.Calibration.ZeroCalTolerance4	16007... 16008	10004	Float	R/W	zero cal tolerance in % of comp4
Setup.Calibration.ZeroCalTolerance5	16009... 16010	10005	Float	R/W	zero cal tolerance in % of comp5
Setup.Calibration.ZeroMethod1	3301	3301	Word	R/W	zero cal method comp1 (0=Instant, 1=Stability)
Setup.Calibration.ZeroMethod2	3302	3302	Word	R/W	zero cal method comp2 (0=Instant, 1=Stability)
Setup.Calibration.ZeroMethod3	3303	3303	Word	R/W	zero cal method comp3 (0=Instant, 1=Stability)
Setup.Calibration.ZeroMethod4	3304	3304	Word	R/W	zero cal method comp4 (0=Instant, 1=Stability)
Setup.Calibration.ZeroMethod5	3305	3305	Word	R/W	zero cal method comp5 (0=Instant, 1=Stability)

## 1.5 List of Parameters and Registers - Sorted by Tag Name

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Setup.Communication.Eth1ModbusFt32	3400	3400	Word	R/W	Modbus 32Bit mode of Ethernet1
Setup.Communication.Eth2ModbusFt32	3399	3399	Word	R/W	Modbus 32Bit mode of Ethernet2
Setup.Communication.SIntModbusFt32	3397	3397	Word	R/W	Modbus 32Bit mode of serial COM
Setup.Communication.SSvcModbusFt32	3398	3398	Word	R/W	Modbus 32Bit mode of serial service COM
Setup.Display.Component.Gasname1	3071... 3074	3071... 3074	String	R/W	gas name of component1
Setup.Display.Component.Gasname2	3075... 3078	3075... 3078	String	R/W	gas name of component2
Setup.Display.Component.Gasname3	3079... 3082	3079... 3082	String	R/W	gas name of component3
Setup.Display.Component.Gasname4	3083... 3086	3083... 3086	String	R/W	gas name of component4
Setup.Display.Component.Gasname5	3087... 3090	3087... 3090	String	R/W	gas name of component5
Setup.Display.Component.Precision1	3036	3036	Word	R/W	decimal points displayed for component1
Setup.Display.Component.Precision2	3037	3037	Word	R/W	decimal points displayed for component2
Setup.Display.Component.Precision3	3038	3038	Word	R/W	decimal points displayed for component3
Setup.Display.Component.Precision4	3039	3039	Word	R/W	decimal points displayed for component4
Setup.Display.Component.Precision5	3040	3040	Word	R/W	decimal points displayed for component4
Setup.Display.Component.PV_Unit1	3011	3011	Word	R/W	PV1 unit: 0 = Custom, ppm, ppb, Vol%
Setup.Display.Component.PV_Unit2	3016	3016	Word	R/W	PV2 unit: 0 = Custom, ppm, ppb, Vol%
Setup.Display.Component.PV_Unit3	3021	3021	Word	R/W	PV3 unit: 0 = Custom, ppm, ppb, Vol%
Setup.Display.Component.PV_Unit4	3026	3026	Word	R/W	PV4 unit: 0 = Custom, ppm, ppb, Vol%
Setup.Display.Component.PV_Unit5	3031	3031	Word	R/W	PV5 unit: 0 = Custom, ppm, ppb, Vol%
Setup.Display.Component.PV_UnitFactor1	6301... 6302	9151	Float	R/W	factor to convert ppm into displayed custom unit1
Setup.Display.Component.PV_UnitFactor2	6305... 6306	9153	Float	R/W	factor to convert ppm into displayed custom unit2
Setup.Display.Component.PV_UnitFactor3	6309... 6310	9155	Float	R/W	factor to convert ppm into displayed custom unit3
Setup.Display.Component.PV_UnitFactor4	6313... 6314	9157	Float	R/W	factor to convert ppm into displayed custom unit4
Setup.Display.Component.PV_UnitFactor5	6317... 6318	9159	Float	R/W	factor to convert ppm into displayed custom unit5
Setup.Display.Component.PV_UnitOffset1	6303... 6304	9152	Float	R/W	offset to convert ppm into displayed custom unit1
Setup.Display.Component.PV_UnitOffset2	6307... 6308	9154	Float	R/W	offset to convert ppm into displayed custom unit2
Setup.Display.Component.PV_UnitOffset3	6311... 6312	9156	Float	R/W	offset to convert ppm into displayed custom unit3
Setup.Display.Component.PV_UnitOffset4	6315... 6316	9158	Float	R/W	offset to convert ppm into displayed custom unit4
Setup.Display.Component.PV_UnitOffset5	6319... 6320	9160	Float	R/W	offset to convert ppm into displayed custom unit5
Setup.Display.Component.PV_UnitString1	3012... 3015	3012... 3015	String	R/W	unit displayed for comp1
Setup.Display.Component.PV_UnitString2	3017... 3020	3017... 3020	String	R/W	unit displayed for comp2

**1.5 List of Parameters and Registers - Sorted by Tag Name**

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Setup.Display.Component.PV_UnitString3	3022... 3025	3022... 3025	String	R/W	unit displayed for comp3
Setup.Display.Component.PV_UnitString4	3027... 3030	3027... 3030	String	R/W	unit displayed for comp4
Setup.Display.Component.PV_UnitString5	3032... 3035	3032... 3035	String	R/W	unit displayed for comp5
Setup.Display.Component.Tag1	3041... 3045	3041... 3045	String	R/W	displayed tag for component1
Setup.Display.Component.Tag2	3046... 3050	3046... 3050	String	R/W	displayed tag for component2
Setup.Display.Component.Tag3	3051... 3055	3051... 3055	String	R/W	displayed tag for component3
Setup.Display.Component.Tag4	3056... 3060	3056... 3060	String	R/W	displayed tag for component4
Setup.Display.Component.Tag5	3061... 3065	3061... 3065	String	R/W	displayed tag for component5
Setup.Display.Language	3010	3010	Word	R/W	Language (0=EN 1=DE 2=FR ...)
Setup.Display.MeasDisplay.Dis1Label1	3101... 3104	3101... 3104	String	R/W	displayed label of measure display 1, Line 1
Setup.Display.MeasDisplay.Dis1Label2	3105... 3108	3105... 3108	String	R/W	displayed label of measure display 1, Line 2
Setup.Display.MeasDisplay.Dis1Label3	3109... 3112	3109... 3112	String	R/W	displayed label of measure display 1, Line 3
Setup.Display.MeasDisplay.Dis1Label4	3113... 3116	3113... 3116	String	R/W	displayed label of measure display 1, Line 4
Setup.Display.MeasDisplay.Dis1Label5	3117... 3120	3117... 3120	String	R/W	displayed label of measure display 1, Line 5
Setup.Display.MeasDisplay.Dis1Line1	3091	3091	Word	R/W	assigned signal of measure display 1, Line 1
Setup.Display.MeasDisplay.Dis1Line2	3092	3092	Word	R/W	assigned signal of measure display 1, Line 2
Setup.Display.MeasDisplay.Dis1Line3	3093	3093	Word	R/W	assigned signal of measure display 1, Line 3
Setup.Display.MeasDisplay.Dis1Line4	3094	3094	Word	R/W	assigned signal of measure display 1, Line 4
Setup.Display.MeasDisplay.Dis1Line5	3095	3095	Word	R/W	assigned signal of measure display 1, Line 5
Setup.Display.MeasDisplay.Dis2Label1	3121... 3124	3121... 3124	String	R/W	displayed label of measure display 2, Line 1
Setup.Display.MeasDisplay.Dis2Label2	3125... 3128	3125... 3128	String	R/W	displayed label of measure display 2, Line 2
Setup.Display.MeasDisplay.Dis2Label3	3129... 3132	3129... 3132	String	R/W	displayed label of measure display 2, Line 3
Setup.Display.MeasDisplay.Dis2Label4	3133... 3136	3133... 3136	String	R/W	displayed label of measure display 2, Line 4
Setup.Display.MeasDisplay.Dis2Label5	3137... 3140	3137... 3140	String	R/W	displayed label of measure display 2, Line 5
Setup.Display.MeasDisplay.Dis2Line1	3096	3096	Word	R/W	assigned signal of measure display 2, Line 1
Setup.Display.MeasDisplay.Dis2Line2	3097	3097	Word	R/W	assigned signal of measure display 2, Line 2
Setup.Display.MeasDisplay.Dis2Line3	3098	3098	Word	R/W	assigned signal of measure display 2, Line 3
Setup.Display.MeasDisplay.Dis2Line4	3099	3099	Word	R/W	assigned signal of measure display 2, Line 4
Setup.Display.MeasDisplay.Dis2Line5	3100	3100	Word	R/W	assigned signal of measure display 2, Line 5

## 1.5 List of Parameters and Registers - Sorted by Tag Name

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Setup.In/Outputs.AO.AdjustEnd1	6367... 6368	9184	Float	R/W	fine adjustment for end range of output1
Setup.In/Outputs.AO.AdjustEnd2	6375... 6376	9188	Float	R/W	fine adjustment for end range of output2
Setup.In/Outputs.AO.AdjustEnd3	6383... 6384	9192	Float	R/W	fine adjustment for end range of output3
Setup.In/Outputs.AO.AdjustEnd4	6391... 6392	9196	Float	R/W	fine adjustment for end range of output4
Setup.In/Outputs.AO.AdjustEnd5	6399... 6400	9200	Float	R/W	fine adjustment for end range of output5
Setup.In/Outputs.AO.AdjustStart1	6365... 6366	9183	Float	R/W	fine adjustment for start range of output1
Setup.In/Outputs.AO.AdjustStart2	6373... 6374	9187	Float	R/W	fine adjustment for start range of output2
Setup.In/Outputs.AO.AdjustStart3	6381... 6382	9191	Float	R/W	fine adjustment for start range of output3
Setup.In/Outputs.AO.AdjustStart4	6389... 6390	9195	Float	R/W	fine adjustment for start range of output4
Setup.In/Outputs.AO.AdjustStart5	6397... 6398	9199	Float	R/W	fine adjustment for start range of output5
Setup.In/Outputs.AO.AutoScale1	3273	3273	Word	R/W	Auto scale for ranged signals on output1 (0=N0 1=Yes)
Setup.In/Outputs.AO.AutoScale2	3278	3278	Word	R/W	Auto scale for ranged signals on output2 (0=N0 1=Yes)
Setup.In/Outputs.AO.AutoScale3	3283	3283	Word	R/W	Auto scale for ranged signals on output3 (0=N0 1=Yes)
Setup.In/Outputs.AO.AutoScale4	3288	3288	Word	R/W	Auto scale for ranged signals on output4 (0=N0 1=Yes)
Setup.In/Outputs.AO.AutoScale5	3293	3293	Word	R/W	Auto scale for ranged signals on output5 (0=N0 1=Yes)
Setup.In/Outputs.AO.CutMode1	3296	3296	Word	R/W	Cut mode on output1 (0=Standard 1=Config)
Setup.In/Outputs.AO.CutMode2	3297	3297	Word	R/W	Cut mode on output2 (0=Standard 1=Config)
Setup.In/Outputs.AO.CutMode3	3298	3298	Word	R/W	Cut mode on output3 (0=Standard 1=Config)
Setup.In/Outputs.AO.CutMode4	3299	3299	Word	R/W	Cut mode on output4 (0=Standard 1=Config)
Setup.In/Outputs.AO.CutMode5	3300	3300	Word	R/W	Cut mode on output5 (0=Standard 1=Config)
Setup.In/Outputs.AO.EndRange1	6363... 6364	9182	Float	R/W	level where analoge output scaling ends on output1
Setup.In/Outputs.AO.EndRange2	6371... 6372	9186	Float	R/W	level where analoge output scaling ends on output2
Setup.In/Outputs.AO.EndRange3	6379... 6380	9190	Float	R/W	level where analoge output scaling ends on output3
Setup.In/Outputs.AO.EndRange4	6387... 6388	9194	Float	R/W	level where analoge output scaling ends on output4



**1.5 List of Parameters and Registers - Sorted by Tag Name**

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Setup.In/Outputs.AO.EndRange5	6395... 6396	9198	Float	R/W	level where analoge output scaling ends on output5
Setup.In/Outputs.AO.FailMode1	3274	3274	Word	R/W	Behavior on errors output1 (0=Track 1=-10%Start 2=+10%End)
Setup.In/Outputs.AO.FailMode2	3279	3279	Word	R/W	Behavior on errors output2 (0=Track 1=-10%Start 2=+10%End)
Setup.In/Outputs.AO.FailMode3	3284	3284	Word	R/W	Behavior on errors output3 (0=Track 1=-10%Start 2=+10%End)
Setup.In/Outputs.AO.FailMode4	3289	3289	Word	R/W	Behavior on errors output4 (0=Track 1=-10%Start 2=+10%End)
Setup.In/Outputs.AO.FailMode5	3294	3294	Word	R/W	Behavior on errors output5 (0=Track 1=-10%Start 2=+10%End)
Setup.In/Outputs.AO.HighCutOff1	6583... 6584	9292	Float	R/W	higher cut off (mA) for analog output1
Setup.In/Outputs.AO.HighCutOff2	6587... 6588	9294	Float	R/W	higher cut off (mA) for analog output2
Setup.In/Outputs.AO.HighCutOff3	6591... 6592	9296	Float	R/W	higher cut off (mA) for analog output2
Setup.In/Outputs.AO.HighCutOff4	6595... 6596	9298	Float	R/W	higher cut off (mA) for analog output4
Setup.In/Outputs.AO.HighCutOff5	6599... 6600	9300	Float	R/W	higher cut off (mA) for analog output5
Setup.In/Outputs.AO.Hold1	3275	3275	Word	R/W	Hold output1 on calibrations (0=Track 1=Hold)
Setup.In/Outputs.AO.Hold2	3280	3280	Word	R/W	Hold output2 on calibrations (0=Track 1=Hold)
Setup.In/Outputs.AO.Hold3	3285	3285	Word	R/W	Hold output3 on calibrations (0=Track 1=Hold)
Setup.In/Outputs.AO.Hold4	3290	3290	Word	R/W	Hold output4 on calibrations (0=Track 1=Hold)
Setup.In/Outputs.AO.Hold5	3295	3295	Word	R/W	Hold output5 on calibrations (0=Track 1=Hold)
Setup.In/Outputs.AO.LowCutOff1	6581... 6582	9291	Float	R/W	lower cut off (mA) for analog output1
Setup.In/Outputs.AO.LowCutOff2	6585... 6586	9293	Float	R/W	lower cut off (mA) for analog output2
Setup.In/Outputs.AO.LowCutOff3	6589... 6590	9295	Float	R/W	lower cut off (mA) for analog output3
Setup.In/Outputs.AO.LowCutOff4	6593... 6594	9297	Float	R/W	lower cut off (mA) for analog output4
Setup.In/Outputs.AO.LowCutOff5	6597... 6598	9299	Float	R/W	lower cut off (mA) for analog output5
Setup.In/Outputs.AO.NumberOuts	3270	3270	Word	R/W	number of analog outputs
Setup.In/Outputs.AO.OutRange1	3272	3272	Word	R/W	range of output1 (0=0..20mA 1=4-20mA)
Setup.In/Outputs.AO.OutRange2	3277	3277	Word	R/W	range of output2 (0=0..20mA 1=4-20mA)
Setup.In/Outputs.AO.OutRange3	3282	3282	Word	R/W	range of output3 (0=0..20mA 1=4-20mA)
Setup.In/Outputs.AO.OutRange4	3287	3287	Word	R/W	range of output4 (0=0..20mA 1=4-20mA)
Setup.In/Outputs.AO.OutRange5	3292	3292	Word	R/W	range of output5 (0=0..20mA 1=4-20mA)

## 1.5 List of Parameters and Registers - Sorted by Tag Name

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Setup.In/Outputs.AO.SignalAsgn1	3271	3271	Word	R/W	assigned signal output1
Setup.In/Outputs.AO.SignalAsgn2	3276	3276	Word	R/W	assigned signal output2
Setup.In/Outputs.AO.SignalAsgn3	3281	3281	Word	R/W	assigned signal output3
Setup.In/Outputs.AO.SignalAsgn4	3286	3286	Word	R/W	assigned signal output4
Setup.In/Outputs.AO.SignalAsgn5	3291	3291	Word	R/W	assigned signal output5
Setup.In/Outputs.AO.StartRange1	6361... 6362	9181	Float	R/W	level where analoge output scaling starts on output1
Setup.In/Outputs.AO.StartRange2	6369... 6370	9185	Float	R/W	level where analoge output scaling starts on output2
Setup.In/Outputs.AO.StartRange3	6377... 6378	9189	Float	R/W	level where analoge output scaling starts on output3
Setup.In/Outputs.AO.StartRange4	6385... 6386	9193	Float	R/W	level where analoge output scaling starts on output4
Setup.In/Outputs.AO.StartRange5	6393... 6394	9197	Float	R/W	level where analoge output scaling starts on output5
Setup.In/Outputs.DI.Node_DI1	3221	3221	Word	R/W	node of DigInp1 / XDIO1 Inp1
Setup.In/Outputs.DI.Node_DI10	3238	3238	Word	R/W	node of DigInp10 / XDIO2 Inp3
Setup.In/Outputs.DI.Node_DI11	3239	3239	Word	R/W	node of DigInp11 / XDIO2 Inp4
Setup.In/Outputs.DI.Node_DI12	3240	3240	Word	R/W	node of DigInp12 / XDIO2 Inp5
Setup.In/Outputs.DI.Node_DI13	3241	3241	Word	R/W	node of DigInp13 / XDIO2 Inp6
Setup.In/Outputs.DI.Node_DI14	3242	3242	Word	R/W	node of DigInp14 / XDIO2 Inp7
Setup.In/Outputs.DI.Node_DI2	3222	3222	Word	R/W	node of DigInp2 / XDIO1 Inp2
Setup.In/Outputs.DI.Node_DI3	3223	3223	Word	R/W	node of DigInp3 / XDIO1 Inp3
Setup.In/Outputs.DI.Node_DI4	3224	3224	Word	R/W	node of DigInp4 / XDIO1 Inp4
Setup.In/Outputs.DI.Node_DI5	3225	3225	Word	R/W	node of DigInp5 / XDIO1 Inp5
Setup.In/Outputs.DI.Node_DI6	3226	3226	Word	R/W	node of DigInp6 / XDIO1 Inp6
Setup.In/Outputs.DI.Node_DI7	3227	3227	Word	R/W	node of DigInp7 / XDIO1 Inp7
Setup.In/Outputs.DI.Node_DI8	3236	3236	Word	R/W	node of DigInp8 / XDIO2 Inp1
Setup.In/Outputs.DI.Node_DI9	3237	3237	Word	R/W	node of DigInp9 / XDIO2 Inp2
Setup.In/Outputs.DI.Signal_DI1	3228	3228	Word	R/W	signal of DigInp1 / XDIO1 Inp1
Setup.In/Outputs.DI.Signal_DI10	3245	3245	Word	R/W	signal of DigInp10 / XDIO2 Inp3
Setup.In/Outputs.DI.Signal_DI11	3246	3246	Word	R/W	signal of DigInp11 / XDIO2 Inp4
Setup.In/Outputs.DI.Signal_DI12	3247	3247	Word	R/W	signal of DigInp12 / XDIO2 Inp5
Setup.In/Outputs.DI.Signal_DI13	3248	3248	Word	R/W	signal of DigInp13 / XDIO2 Inp6
Setup.In/Outputs.DI.Signal_DI14	3249	3249	Word	R/W	signal of DigInp14 / XDIO2 Inp7
Setup.In/Outputs.DI.Signal_DI2	3229	3229	Word	R/W	signal of DigInp2 / XDIO1 Inp2
Setup.In/Outputs.DI.Signal_DI3	3230	3230	Word	R/W	signal of DigInp3 / XDIO1 Inp3
Setup.In/Outputs.DI.Signal_DI4	3231	3231	Word	R/W	signal of DigInp4 / XDIO1 Inp4
Setup.In/Outputs.DI.Signal_DI5	3232	3232	Word	R/W	signal of DigInp5 / XDIO1 Inp5
Setup.In/Outputs.DI.Signal_DI6	3233	3233	Word	R/W	signal of DigInp6 / XDIO1 Inp6
Setup.In/Outputs.DI.Signal_DI7	3234	3234	Word	R/W	signal of DigInp7 / XDIO1 Inp7
Setup.In/Outputs.DI.Signal_DI8	3243	3243	Word	R/W	signal of DigInp8 / XDIO2 Inp1
Setup.In/Outputs.DI.Signal_DI9	3244	3244	Word	R/W	signal of DigInp9 / XDIO2 Inp2
Setup.In/Outputs.DO.Node_DO1	3151	3151	Word	R/W	node of DigOut1 / XPSA
Setup.In/Outputs.DO.Node_DO10	3166	3166	Word	R/W	node of DigOut10 / XDIO1 Out6

**1.5 List of Parameters and Registers - Sorted by Tag Name**

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Setup.In/Outputs.DO.Node_DO11	3167	3167	Word	R/W	node of DigOut11 / XDIO1 Out7
Setup.In/Outputs.DO.Node_DO12	3168	3168	Word	R/W	node of DigOut12 / XDIO1 Out8
Setup.In/Outputs.DO.Node_DO13	3169	3169	Word	R/W	node of DigOut13 / XDIO1 Out9
Setup.In/Outputs.DO.Node_DO14	3181	3181	Word	R/W	node of DigOut14 / XDIO2 Out1
Setup.In/Outputs.DO.Node_DO15	3182	3182	Word	R/W	node of DigOut15 / XDIO2 Out2
Setup.In/Outputs.DO.Node_DO16	3183	3183	Word	R/W	node of DigOut16 / XDIO2 Out3
Setup.In/Outputs.DO.Node_DO17	3184	3184	Word	R/W	node of DigOut17 / XDIO2 Out4
Setup.In/Outputs.DO.Node_DO18	3185	3185	Word	R/W	node of DigOut18 / XDIO2 Out5
Setup.In/Outputs.DO.Node_DO19	3186	3186	Word	R/W	node of DigOut19 / XDIO2 Out6
Setup.In/Outputs.DO.Node_DO2	3152	3152	Word	R/W	node of DigOut2 / XPSA
Setup.In/Outputs.DO.Node_DO20	3187	3187	Word	R/W	node of DigOut20 / XDIO2 Out7
Setup.In/Outputs.DO.Node_DO21	3188	3188	Word	R/W	node of DigOut21 / XDIO2 Out8
Setup.In/Outputs.DO.Node_DO22	3189	3189	Word	R/W	node of DigOut22 / XDIO2 Out9
Setup.In/Outputs.DO.Node_DO3	3153	3153	Word	R/W	node of DigOut3 / XPSA
Setup.In/Outputs.DO.Node_DO4	3154	3154	Word	R/W	node of DigOut4 / XPSA
Setup.In/Outputs.DO.Node_DO5	3161	3161	Word	R/W	node of DigOut5 / XDIO1 Out1
Setup.In/Outputs.DO.Node_DO6	3162	3162	Word	R/W	node of DigOut6 / XDIO1 Out2
Setup.In/Outputs.DO.Node_DO7	3163	3163	Word	R/W	node of DigOut7 / XDIO1 Out3
Setup.In/Outputs.DO.Node_DO8	3164	3164	Word	R/W	node of DigOut8 / XDIO1 Out4
Setup.In/Outputs.DO.Node_DO9	3165	3165	Word	R/W	node of DigOut9 / XDIO1 Out5
Setup.In/Outputs.DO.Signal_DO1	3156	3156	Word	R/W	signal of DigOut1 / XPSA
Setup.In/Outputs.DO.Signal_DO10	3176	3176	Word	R/W	signal of DigOut10 / XDIO1 Out6
Setup.In/Outputs.DO.Signal_DO11	3177	3177	Word	R/W	signal of DigOut11 / XDIO1 Out7
Setup.In/Outputs.DO.Signal_DO12	3178	3178	Word	R/W	signal of DigOut12 / XDIO1 Out8
Setup.In/Outputs.DO.Signal_DO13	3179	3179	Word	R/W	signal of DigOut13 / XDIO1 Out9
Setup.In/Outputs.DO.Signal_DO14	3191	3191	Word	R/W	signal of DigOut14 / XDIO2 Out1
Setup.In/Outputs.DO.Signal_DO15	3192	3192	Word	R/W	signal of DigOut15 / XDIO2 Out2
Setup.In/Outputs.DO.Signal_DO16	3193	3193	Word	R/W	signal of DigOut16 / XDIO2 Out3
Setup.In/Outputs.DO.Signal_DO17	3194	3194	Word	R/W	signal of DigOut17 / XDIO2 Out4
Setup.In/Outputs.DO.Signal_DO18	3195	3195	Word	R/W	signal of DigOut18 / XDIO2 Out5
Setup.In/Outputs.DO.Signal_DO19	3196	3196	Word	R/W	signal of DigOut19 / XDIO2 Out6
Setup.In/Outputs.DO.Signal_DO2	3157	3157	Word	R/W	signal of DigOut2 / XPSA
Setup.In/Outputs.DO.Signal_DO20	3197	3197	Word	R/W	signal of DigOut20 / XDIO2 Out7
Setup.In/Outputs.DO.Signal_DO21	3198	3198	Word	R/W	signal of DigOut21 / XDIO2 Out8
Setup.In/Outputs.DO.Signal_DO22	3199	3199	Word	R/W	signal of DigOut22 / XDIO2 Out9
Setup.In/Outputs.DO.Signal_DO3	3158	3158	Word	R/W	signal of DigOut3 / XPSA
Setup.In/Outputs.DO.Signal_DO4	3159	3159	Word	R/W	signal of DigOut4 / XPSA
Setup.In/Outputs.DO.Signal_DO5	3171	3171	Word	R/W	signal of DigOut5 / XDIO1 Out1
Setup.In/Outputs.DO.Signal_DO6	3172	3172	Word	R/W	signal of DigOut6 / XDIO1 Out2
Setup.In/Outputs.DO.Signal_DO7	3173	3173	Word	R/W	signal of DigOut7 / XDIO1 Out3
Setup.In/Outputs.DO.Signal_DO8	3174	3174	Word	R/W	signal of DigOut8 / XDIO1 Out4
Setup.In/Outputs.DO.Signal_DO9	3175	3175	Word	R/W	signal of DigOut9 / XDIO1 Out5
Setup.In/Outputs.SHS.Node_Gas1	3201	3201	Word	R/W	node of SHS GasOut1
Setup.In/Outputs.SHS.Node_Gas2	3202	3202	Word	R/W	node of SHS GasOut2
Setup.In/Outputs.SHS.Node_Gas3	3203	3203	Word	R/W	node of SHS GasOut3
Setup.In/Outputs.SHS.Node_Gas4	3204	3204	Word	R/W	node of SHS GasOut4

## 1.5 List of Parameters and Registers - Sorted by Tag Name

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Setup.In/Outputs.SHS.Node_Gas5	3205	3205	Word	R/W	node of SHS GasOut5
Setup.In/Outputs.SHS.Node_Gas6	3206	3206	Word	R/W	node of SHS GasOut6
Setup.In/Outputs.SHS.Node_Gas7	3207	3207	Word	R/W	node of SHS GasOut7
Setup.In/Outputs.SHS.Node_Gas8	3208	3208	Word	R/W	node of SHS GasOut8
Setup.In/Outputs.SHS.Node_Pump1	3209	3209	Word	R/W	node of SHS Pump1
Setup.In/Outputs.SHS.Node_Pump2	3210	3210	Word	R/W	node of SHS Pump1
Setup.In/Outputs.SHS.Signal_Gas1	3211	3211	Word	R/W	signal of SHS GasOut1
Setup.In/Outputs.SHS.Signal_Gas2	3212	3212	Word	R/W	signal of SHS GasOut2
Setup.In/Outputs.SHS.Signal_Gas3	3213	3213	Word	R/W	signal of SHS GasOut3
Setup.In/Outputs.SHS.Signal_Gas4	3214	3214	Word	R/W	signal of SHS GasOut4
Setup.In/Outputs.SHS.Signal_Gas5	3215	3215	Word	R/W	signal of SHS GasOut5
Setup.In/Outputs.SHS.Signal_Gas6	3216	3216	Word	R/W	signal of SHS GasOut6
Setup.In/Outputs.SHS.Signal_Gas7	3217	3217	Word	R/W	signal of SHS GasOut7
Setup.In/Outputs.SHS.Signal_Gas8	3218	3218	Word	R/W	signal of SHS GasOut8
Setup.In/Outputs.SHS.Signal_Pump1	3219	3219	Word	R/W	signal of SHS Pump1
Setup.In/Outputs.SHS.Signal_Pump2	3220	3220	Word	R/W	signal of SHS Pump1
Setup.Measurement.AverageReset1	2131	2131	Boolean	R/W	Reset averaging of comp1 (1=reset)
Setup.Measurement.AverageReset2	2132	2132	Boolean	R/W	Reset averaging of comp2 (1=reset)
Setup.Measurement.AverageReset3	2133	2133	Boolean	R/W	Reset averaging of comp3 (1=reset)
Setup.Measurement.AverageReset4	2134	2134	Boolean	R/W	Reset averaging of comp4 (1=reset)
Setup.Measurement.AverageReset5	2135	2135	Boolean	R/W	Reset averaging of comp5 (1=reset)
Setup.Measurement.EndOfCurrentRange_1	6043... 6044	9022	Float	R/W	end of current range of comp1
Setup.Measurement.EndOfCurrentRange_2	6047... 6048	9024	Float	R/W	end of current range of comp2
Setup.Measurement.EndOfCurrentRange_3	6051... 6052	9026	Float	R/W	end of current range of comp3
Setup.Measurement.EndOfCurrentRange_4	6055... 6056	9028	Float	R/W	end of current range of comp4
Setup.Measurement.EndOfCurrentRange_5	6059... 6060	9030	Float	R/W	end of current range of comp5
Setup.Measurement.EndOfRange1_1	6143... 6144	9072	Float	R/W	end of range1 of comp1
Setup.Measurement.EndOfRange1_2	6159... 6160	9080	Float	R/W	end of range1 of comp2
Setup.Measurement.EndOfRange1_3	6175... 6176	9088	Float	R/W	end of range1 of comp3
Setup.Measurement.EndOfRange1_4	6191... 6192	9096	Float	R/W	end of range1 of comp4
Setup.Measurement.EndOfRange1_5	6207... 6208	9104	Float	R/W	end of range1 of comp5
Setup.Measurement.EndOfRange2_1	6147... 6148	9074	Float	R/W	end of range2 of comp1
Setup.Measurement.EndOfRange2_2	6163... 6164	9082	Float	R/W	end of range2 of comp2
Setup.Measurement.EndOfRange2_3	6179... 6180	9090	Float	R/W	end of range2 of comp3

**1.5 List of Parameters and Registers - Sorted by Tag Name**

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Setup.Measurement.EndOfRange2_4	6195... 6196	9098	Float	R/W	end of range2 of comp4
Setup.Measurement.EndOfRange2_5	6211... 6212	9106	Float	R/W	end of range2 of comp5
Setup.Measurement.EndOfRange3_1	6151... 6152	9076	Float	R/W	end of range3 of comp1
Setup.Measurement.EndOfRange3_2	6167... 6168	9084	Float	R/W	end of range3 of comp2
Setup.Measurement.EndOfRange3_3	6183... 6184	9092	Float	R/W	end of range3 of comp3
Setup.Measurement.EndOfRange3_4	6199... 6200	9100	Float	R/W	end of range3 of comp4
Setup.Measurement.EndOfRange3_5	6215... 6216	9108	Float	R/W	end of range3 of comp5
Setup.Measurement.EndOfRange4_1	6155... 6156	9078	Float	R/W	end of range4 of comp1
Setup.Measurement.EndOfRange4_2	6171... 6172	9086	Float	R/W	end of range4 of comp2
Setup.Measurement.EndOfRange4_3	6187... 6188	9094	Float	R/W	end of range4 of comp3
Setup.Measurement.EndOfRange4_4	6203... 6204	9102	Float	R/W	end of range4 of comp4
Setup.Measurement.EndOfRange4_5	6219... 6220	9110	Float	R/W	end of range4 of comp5
Setup.Measurement.PeakReset1	2136	2136	Boolean	R/W	Reset capturing peaks of comp1 (1=reset)
Setup.Measurement.PeakReset2	2137	2137	Boolean	R/W	Reset capturing peaks of comp2 (1=reset)
Setup.Measurement.PeakReset3	2138	2138	Boolean	R/W	Reset capturing peaks of comp3 (1=reset)
Setup.Measurement.PeakReset4	2139	2139	Boolean	R/W	Reset capturing peaks of comp4 (1=reset)
Setup.Measurement.PeakReset5	2140	2140	Boolean	R/W	Reset capturing peaks of comp5 (1=reset)
Setup.Measurement.Pressure.ManualPressure_1	6121... 6122	9061	Float	R/W	Manual Pressure of comp1 [Pa]
Setup.Measurement.Pressure.ManualPressure_2	6123... 6124	9062	Float	R/W	Manual Pressure of comp2 [Pa]
Setup.Measurement.Pressure.ManualPressure_3	6125... 6126	9063	Float	R/W	Manual Pressure of comp3 [Pa]
Setup.Measurement.Pressure.ManualPressure_4	6127... 6128	9064	Float	R/W	Manual Pressure of comp4 [Pa]
Setup.Measurement.Pressure.ManualPressure_5	6129... 6130	9065	Float	R/W	Manual Pressure of comp5 [Pa]
Setup.Measurement.RangeAvailable1	3441	3441	Word	R/W	Ranges available bitfield of Comp1 (b0=R1,b1=R2,b2=R3,b3=R4)
Setup.Measurement.RangeAvailable2	3442	3442	Word	R/W	Ranges available bitfield of Comp2 (b0=R1,b1=R2,b2=R3,b3=R4)
Setup.Measurement.RangeAvailable3	3443	3443	Word	R/W	Ranges available bitfield of Comp3 (b0=R1,b1=R2,b2=R3,b3=R4)
Setup.Measurement.RangeAvailable4	3444	3444	Word	R/W	Ranges available bitfield of Comp4 (b0=R1,b1=R2,b2=R3,b3=R4)
Setup.Measurement.RangeAvailable5	3445	3445	Word	R/W	Ranges available bitfield of Comp5 (b0=R1,b1=R2,b2=R3,b3=R4)

## 1.5 List of Parameters and Registers - Sorted by Tag Name

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Setup.Measurement.RangeControlMode1	3446	3446	Word	R/W	Method for range switching Comp1 (0=Manual,1=Auto,2=DigInput)
Setup.Measurement.RangeControlMode2	3447	3447	Word	R/W	Method for range switching Comp2 (0=Manual,1=Auto,2=DigInput)
Setup.Measurement.RangeControlMode3	3448	3448	Word	R/W	Method for range switching Comp3 (0=Manual,1=Auto,2=DigInput)
Setup.Measurement.RangeControlMode4	3449	3449	Word	R/W	Method for range switching Comp4 (0=Manual,1=Auto,2=DigInput)
Setup.Measurement.RangeControlMode5	3450	3450	Word	R/W	Method for range switching Comp5 (0=Manual,1=Auto,2=DigInput)
Setup.Measurement.SpanRangesMethod1	3436	3436	Word	R/W	Method to span cal/val the ranges of comp1 (0=separately, 1=toge
Setup.Measurement.SpanRangesMethod2	3437	3437	Word	R/W	Method to span cal/val the ranges of comp2 (0=separately, 1=toge
Setup.Measurement.SpanRangesMethod3	3438	3438	Word	R/W	Method to span cal/val the ranges of comp3 (0=separately, 1=toge
Setup.Measurement.SpanRangesMethod4	3439	3439	Word	R/W	Method to span cal/val the ranges of comp4 (0=separately, 1=toge
Setup.Measurement.SpanRangesMethod5	3440	3440	Word	R/W	Method to span cal/val the ranges of comp5 (0=separately, 1=toge
Setup.Measurement.StartOfCurrentRange_1	6041... 6042	9021	Float	R/W	start of current range of comp1
Setup.Measurement.StartOfCurrentRange_2	6045... 6046	9023	Float	R/W	start of current range of comp2
Setup.Measurement.StartOfCurrentRange_3	6049... 6050	9025	Float	R/W	start of current range of comp3
Setup.Measurement.StartOfCurrentRange_4	6053... 6054	9027	Float	R/W	start of current range of comp4
Setup.Measurement.StartOfCurrentRange_5	6057... 6058	9029	Float	R/W	start of current range of comp5
Setup.Measurement.StartOfRange1_1	6141... 6142	9071	Float	R/W	start of range1 of comp1
Setup.Measurement.StartOfRange1_2	6157... 6158	9079	Float	R/W	start of range1 of comp2
Setup.Measurement.StartOfRange1_3	6173... 6174	9087	Float	R/W	start of range1 of comp3
Setup.Measurement.StartOfRange1_4	6189... 6190	9095	Float	R/W	start of range1 of comp4
Setup.Measurement.StartOfRange1_5	6205... 6206	9103	Float	R/W	start of range1 of comp5
Setup.Measurement.StartOfRange2_1	6145... 6146	9073	Float	R/W	start of range2 of comp1
Setup.Measurement.StartOfRange2_2	6161... 6162	9081	Float	R/W	start of range2 of comp2
Setup.Measurement.StartOfRange2_3	6177... 6178	9089	Float	R/W	start of range2 of comp3
Setup.Measurement.StartOfRange2_4	6193... 6194	9097	Float	R/W	start of range2 of comp4

**1.5 List of Parameters and Registers - Sorted by Tag Name**

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Setup.Measurement.StartOfRange2_5	6209... 6210	9105	Float	R/W	start of range2 of comp5
Setup.Measurement.StartOfRange3_1	6149... 6150	9075	Float	R/W	start of range3 of comp1
Setup.Measurement.StartOfRange3_2	6165... 6166	9083	Float	R/W	start of range3 of comp2
Setup.Measurement.StartOfRange3_3	6181... 6182	9091	Float	R/W	start of range3 of comp3
Setup.Measurement.StartOfRange3_4	6197... 6198	9099	Float	R/W	start of range3 of comp4
Setup.Measurement.StartOfRange3_5	6213... 6214	9107	Float	R/W	start of range3 of comp5
Setup.Measurement.StartOfRange4_1	6153... 6154	9077	Float	R/W	start of range4 of comp1
Setup.Measurement.StartOfRange4_2	6169... 6170	9085	Float	R/W	start of range4 of comp2
Setup.Measurement.StartOfRange4_3	6185... 6186	9093	Float	R/W	start of range4 of comp3
Setup.Measurement.StartOfRange4_4	6201... 6202	9101	Float	R/W	start of range4 of comp4
Setup.Measurement.StartOfRange4_5	6217... 6218	9109	Float	R/W	start of range4 of comp5
Setup.Measurement.StdDeviationReset1	2126	2126	Boolean	R/W	Reset computing standard deviation of comp1 (1=reset)
Setup.Measurement.StdDeviationReset2	2127	2127	Boolean	R/W	Reset computing standard deviation of comp2 (1=reset)
Setup.Measurement.StdDeviationReset3	2128	2128	Boolean	R/W	Reset computing standard deviation of comp3 (1=reset)
Setup.Measurement.StdDeviationReset4	2129	2129	Boolean	R/W	Reset computing standard deviation of comp4 (1=reset)
Setup.Measurement.StdDeviationReset5	2130	2130	Boolean	R/W	Reset computing standard deviation of comp5 (1=reset)
Setup.Measurement.XIntf.ComputeFactor1	3476	3476	Word	R/W	Compute cross interference factor comp1 (0=Src1, 1=Src2 etc.)
Setup.Measurement.XIntf.ComputeFactor2	3477	3477	Word	R/W	Compute cross interference factor comp2 (0=Src1, 1=Src2 etc.)
Setup.Measurement.XIntf.ComputeFactor3	3478	3478	Word	R/W	Compute cross interference factor comp3 (0=Src1, 1=Src2 etc.)
Setup.Measurement.XIntf.ComputeFactor4	3479	3479	Word	R/W	Compute cross interference factor comp4 (0=Src1, 1=Src2 etc.)
Setup.Measurement.XIntf.ComputeFactor5	3480	3480	Word	R/W	Compute cross interference factor comp5 (0=Src1, 1=Src2 etc.)
Setup.Measurement.XIntf.Enable1	3471	3471	Word	R/W	Enable cross interference compensation for comp1

## 1.5 List of Parameters and Registers - Sorted by Tag Name

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Setup.Measurement.XIntf.Enable2	3472	3472	Word	R/W	Enable cross interference compensation for comp2
Setup.Measurement.XIntf.Enable3	3473	3473	Word	R/W	Enable cross interference compensation for comp3
Setup.Measurement.XIntf.Enable4	3474	3474	Word	R/W	Enable cross interference compensation for comp4
Setup.Measurement.XIntf.Enable5	3475	3475	Word	R/W	Enable cross interference compensation for comp5
Setup.Measurement.XIntf.InterfereFactors1	6609... 6616	9305... 9308	Float	R/W	Cross interfere factors1..4 for comp1
Setup.Measurement.XIntf.InterfereFactors2	6669... 6676	9335... 9338	Float	R/W	Cross interfere factors1..4 for comp2
Setup.Measurement.XIntf.InterfereFactors3	6729... 6736	9365... 9368	Float	R/W	Cross interfere factors1..4 for comp3
Setup.Measurement.XIntf.InterfereFactors4	6789... 6796	9395... 9398	Float	R/W	Cross interfere factors1..4 for comp4
Setup.Measurement.XIntf.InterfereFactors5	6849... 6856	9425... 9428	Float	R/W	Cross interfere factors1..4 for comp5
Setup.Measurement.XIntf.LinearPolyCoeffs1	6625... 6632	9313... 9316	Float	R/W	Cross interfere linearization references1..4 for comp1
Setup.Measurement.XIntf.LinearPolyCoeffs2	6685... 6692	9343... 9346	Float	R/W	Cross interfere linearization references1..4 for comp2
Setup.Measurement.XIntf.LinearPolyCoeffs3	6745... 6752	9373... 9376	Float	R/W	Cross interfere linearization references1..4 for comp3
Setup.Measurement.XIntf.LinearPolyCoeffs4	6805... 6812	9403... 9406	Float	R/W	Cross interfere linearization references1..4 for comp4
Setup.Measurement.XIntf.LinearPolyCoeffs5	6865... 6872	9433... 9436	Float	R/W	Cross interfere linearization references1..4 for comp5
Setup.Measurement.XIntf.LinearReferences1	6617... 6624	9309... 9312	Float	R/W	Cross interfere linearization references1..4 for comp1
Setup.Measurement.XIntf.LinearReferences2	6677... 6684	9339... 9342	Float	R/W	Cross interfere linearization references1..4 for comp2
Setup.Measurement.XIntf.LinearReferences3	6737... 6744	9369... 9372	Float	R/W	Cross interfere linearization references1..4 for comp3
Setup.Measurement.XIntf.LinearReferences4	6797... 6804	9399... 9402	Float	R/W	Cross interfere linearization references1..4 for comp4
Setup.Measurement.XIntf.LinearReferences5	6857... 6864	9429... 9432	Float	R/W	Cross interfere linearization references1..4 for comp5
Setup.Measurement.XIntf.SignalStates1	4051... 4054	4051... 4054	Word	RO	Cross interfere signal value states1..4 for comp1
Setup.Measurement.XIntf.SignalStates2	4055... 4058	4055... 4058	Word	RO	Cross interfere signal value states1..4 for comp2
Setup.Measurement.XIntf.SignalStates3	4059... 4062	4059... 4062	Word	RO	Cross interfere signal value states1..4 for comp3



**1.5 List of Parameters and Registers - Sorted by Tag Name**

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Setup.Measurement.XIntf.SignalStates4	4063... 4066	4063... 4066	Word	RO	Cross interfere signal value states1..4 for comp4
Setup.Measurement.XIntf.SignalStates5	4067... 4070	4067... 4070	Word	RO	Cross interfere signal value states1..4 for comp5
Setup.Measurement.XIntf.SignalValues1	6601... 6608	9301... 9304	Float	RO	Cross interfere signal values1..4 for comp1
Setup.Measurement.XIntf.SignalValues2	6661... 6668	9331... 9334	Float	RO	Cross interfere signal values1..4 for comp2
Setup.Measurement.XIntf.SignalValues3	6721... 6728	9361... 9364	Float	RO	Cross interfere signal values1..4 for comp3
Setup.Measurement.XIntf.SignalValues4	6781... 6788	9391... 9394	Float	RO	Cross interfere signal values1..4 for comp4
Setup.Measurement.XIntf.SignalValues5	6841... 6848	9421... 9424	Float	RO	Cross interfere signal values1..4 for comp5
Setup.Measurement.XIntf.Sources1	3481... 3484	3481... 3484	Word	R/W	Interf. sources 1..4 comp1 (0=None 1=Conc1 2=Conc2 6=AIN1 etc.)
Setup.Measurement.XIntf.Sources2	3485... 3488	3485... 3488	Word	R/W	Interf. sources 1..4 comp2 (0=None 1=Conc1 2=Conc2 6=AIN1 etc.)
Setup.Measurement.XIntf.Sources3	3489... 3492	3489... 3492	Word	R/W	Interf. sources 1..4 comp3 (0=None 1=Conc1 2=Conc2 6=AIN1 etc.)
Setup.Measurement.XIntf.Sources4	3493... 3496	3493... 3496	Word	R/W	Interf. sources 1..4 comp4 (0=None 1=Conc1 2=Conc2 6=AIN1 etc.)
Setup.Measurement.XIntf.Sources5	3497... 3500	3497... 3500	Word	R/W	Interf. sources 1..4 comp5 (0=None 1=Conc1 2=Conc2 6=AIN1 etc.)
Setup.Measurement.ZeroRangesMethod1	3431	3431	Word	R/W	Method to zero cal/val the ranges of comp1 (0=separately, 1=toge
Setup.Measurement.ZeroRangesMethod2	3432	3432	Word	R/W	Method to zero cal/val the ranges of comp2 (0=separately, 1=toge
Setup.Measurement.ZeroRangesMethod3	3433	3433	Word	R/W	Method to zero cal/val the ranges of comp3 (0=separately, 1=toge
Setup.Measurement.ZeroRangesMethod4	3434	3434	Word	R/W	Method to zero cal/val the ranges of comp4 (0=separately, 1=toge
Setup.Measurement.ZeroRangesMethod5	3435	3435	Word	R/W	Method to zero cal/val the ranges of comp5 (0=separately, 1=toge
Setup.Validation.SpanValidDeviatReset1	2146	2146	Boolean	R/W	Reset span validation deviations of comp1 (1=reset)
Setup.Validation.SpanValidDeviatReset2	2147	2147	Boolean	R/W	Reset span validation deviations of comp2 (1=reset)
Setup.Validation.SpanValidDeviatReset3	2148	2148	Boolean	R/W	Reset span validation deviations of comp3 (1=reset)
Setup.Validation.SpanValidDeviatReset4	2149	2149	Boolean	R/W	Reset span validation deviations of comp4 (1=reset)
Setup.Validation.SpanValidDeviatReset5	2150	2150	Boolean	R/W	Reset span validation deviations of comp5 (1=reset)

## 1.5 List of Parameters and Registers - Sorted by Tag Name

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Setup.Validation.SpanValidTolerance1	16071... 16072	10036	Float	R/W	span validation tolerance in % of comp1
Setup.Validation.SpanValidTolerance2	16073... 16074	10037	Float	R/W	span validation tolerance in % of comp2
Setup.Validation.SpanValidTolerance3	16075... 16076	10038	Float	R/W	span validation tolerance in % of comp3
Setup.Validation.SpanValidTolerance4	16077... 16078	10039	Float	R/W	span validation tolerance in % of comp4
Setup.Validation.SpanValidTolerance5	16079... 16080	10040	Float	R/W	span validation tolerance in % of comp5
Setup.Validation.ZeroValidDeviatReset1	2141	2141	Boolean	R/W	Reset zero validation deviations of comp1 (1=reset)
Setup.Validation.ZeroValidDeviatReset2	2142	2142	Boolean	R/W	Reset zero validation deviations of comp2 (1=reset)
Setup.Validation.ZeroValidDeviatReset3	2143	2143	Boolean	R/W	Reset zero validation deviations of comp3 (1=reset)
Setup.Validation.ZeroValidDeviatReset4	2144	2144	Boolean	R/W	Reset zero validation deviations of comp4 (1=reset)
Setup.Validation.ZeroValidDeviatReset5	2145	2145	Boolean	R/W	Reset zero validation deviations of comp5 (1=reset)
Setup.Validation.ZeroValidTolerance1	16061... 16062	10031	Float	R/W	zero validation tolerance in % of comp1
Setup.Validation.ZeroValidTolerance2	16063... 16064	10032	Float	R/W	zero validation tolerance in % of comp2
Setup.Validation.ZeroValidTolerance3	16065... 16066	10033	Float	R/W	zero validation tolerance in % of comp3
Setup.Validation.ZeroValidTolerance4	16067... 16068	10034	Float	R/W	zero validation tolerance in % of comp4
Setup.Validation.ZeroValidTolerance5	16069... 16070	10035	Float	R/W	zero validation tolerance in % of comp5
Status.Average1	16101... 16102	10051	Float	RO	average of comp1
Status.Average2	16103... 16104	10052	Float	RO	average of comp2
Status.Average3	16105... 16106	10053	Float	RO	average of comp3
Status.Average4	16107... 16108	10054	Float	RO	average of comp4
Status.Average5	16109... 16110	10055	Float	RO	average of comp5
Status.CalcResultA	6091... 6092	9046	Float	RO	Result of calculator A
Status.CalcResultB	6093... 6094	9047	Float	RO	Result of calculator B

**1.5 List of Parameters and Registers - Sorted by Tag Name**

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Status.CalcResultC	6095... 6096	9048	Float	RO	Result of calculator C
Status.CalcResultD	6097... 6098	9049	Float	RO	Result of calculator D
Status.Calibration.SpanCalDeviation1	16031... 16032	10016	Float	RO	current range span cal deviation of comp1
Status.Calibration.SpanCalDeviation2	16033... 16034	10017	Float	RO	current range span cal deviation of comp2
Status.Calibration.SpanCalDeviation3	16035... 16036	10018	Float	RO	current range span cal deviation of comp3
Status.Calibration.SpanCalDeviation4	16037... 16038	10019	Float	RO	current range span cal deviation of comp4
Status.Calibration.SpanCalDeviation5	16039... 16040	10020	Float	RO	current range span cal deviation of comp5
Status.Calibration.SpanCalDeviationSum1	16051... 16052	10026	Float	RO	current range span cal deviation sum of comp1
Status.Calibration.SpanCalDeviationSum2	16053... 16054	10027	Float	RO	current range span cal deviation sum of comp2
Status.Calibration.SpanCalDeviationSum3	16055... 16056	10028	Float	RO	current range span cal deviation sum of comp3
Status.Calibration.SpanCalDeviationSum4	16057... 16058	10029	Float	RO	current range span cal deviation sum of comp4
Status.Calibration.SpanCalDeviationSum5	16059... 16060	10030	Float	RO	current range span cal deviation sum of comp5
Status.Calibration.SpanCalDeviationTime1	5407... 5408	8204	DWord	RO	curr. range span cal deviation epoch time stamp of comp1
Status.Calibration.SpanCalDeviationTime2	5415... 5416	8208	DWord	RO	curr. range span cal deviation epoch time stamp of comp2
Status.Calibration.SpanCalDeviationTime3	5423... 5424	8212	DWord	RO	curr. range span cal deviation epoch time stamp of comp3
Status.Calibration.SpanCalDeviationTime4	5431... 5432	8216	DWord	RO	curr. range span cal deviation epoch time stamp of comp4
Status.Calibration.SpanCalDeviationTime5	5439... 5440	8220	DWord	RO	curr. range span cal deviation epoch time stamp of comp5
Status.Calibration.SpanCalDeviatRanges1	16241... 16248	10121... 10124	Float	RO	range1..4 span cal deviation of comp1
Status.Calibration.SpanCalDeviatRanges2	16249... 16256	10125... 10128	Float	RO	range1..4 span cal deviation of comp2
Status.Calibration.SpanCalDeviatRanges3	16257... 16264	10129... 10132	Float	RO	range1..4 span cal deviation of comp3
Status.Calibration.SpanCalDeviatRanges4	16265... 16272	10133... 10136	Float	RO	range1..4 span cal deviation of comp4
Status.Calibration.SpanCalDeviatRanges5	16273... 16280	10137... 10140	Float	RO	range1..4 span cal deviation of comp5

## 1.5 List of Parameters and Registers - Sorted by Tag Name

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Status.Calibration.SpanCalDeviatSumRanges1	16321... 16328	10161... 10164	Float	RO	range1..4 span cal deviation sum of comp1
Status.Calibration.SpanCalDeviatSumRanges2	16329... 16336	10165... 10168	Float	RO	range1..4 span cal deviation sum of comp2
Status.Calibration.SpanCalDeviatSumRanges3	16337... 16344	10169... 10172	Float	RO	range1..4 span cal deviation sum of comp3
Status.Calibration.SpanCalDeviatSumRanges4	16345... 16352	10173... 10176	Float	RO	range1..4 span cal deviation sum of comp4
Status.Calibration.SpanCalDeviatSumRanges5	16353... 16360	10177... 10180	Float	RO	range1..4 span cal deviation sum of comp5
Status.Calibration.SpanCalDeviatTimeRanges1	5561... 5568	8281... 8284	DWord	RO	range1..4 span cal deviation epoch time stamp of comp1
Status.Calibration.SpanCalDeviatTimeRanges2	5569... 5576	8285... 8288	DWord	RO	range1..4 span cal deviation epoch time stamp of comp2
Status.Calibration.SpanCalDeviatTimeRanges3	5577... 5584	8289... 8292	DWord	RO	range1..4 span cal deviation epoch time stamp of comp3
Status.Calibration.SpanCalDeviatTimeRanges4	5585... 5592	8293... 8296	DWord	RO	range1..4 span cal deviation epoch time stamp of comp4
Status.Calibration.SpanCalDeviatTimeRanges5	5593... 5600	8297... 8300	DWord	RO	range1..4 span cal deviation epoch time stamp of comp5
Status.Calibration.ZeroCalDeviation1	16021... 16022	10011	Float	RO	current range zero cal deviation of comp1
Status.Calibration.ZeroCalDeviation2	16023... 16024	10012	Float	RO	current range zero cal deviation of comp2
Status.Calibration.ZeroCalDeviation3	16025... 16026	10013	Float	RO	current range zero cal deviation of comp3
Status.Calibration.ZeroCalDeviation4	16027... 16028	10014	Float	RO	current range zero cal deviation of comp4
Status.Calibration.ZeroCalDeviation5	16029... 16030	10015	Float	RO	current range zero cal deviation of comp5
Status.Calibration.ZeroCalDeviationSum1	16041... 16042	10021	Float	RO	current range zero cal deviation sum of comp1
Status.Calibration.ZeroCalDeviationSum2	16043... 16044	10022	Float	RO	current range zero cal deviation sum of comp2
Status.Calibration.ZeroCalDeviationSum3	16045... 16046	10023	Float	RO	current range zero cal deviation sum of comp3
Status.Calibration.ZeroCalDeviationSum4	16047... 16048	10024	Float	RO	current range zero cal deviation sum of comp4
Status.Calibration.ZeroCalDeviationSum5	16049... 16050	10025	Float	RO	current range zero cal deviation sum of comp5
Status.Calibration.ZeroCalDeviationTime1	5405... 5406	8203	DWord	RO	curr. range zero cal deviation epoch time stamp of comp1
Status.Calibration.ZeroCalDeviationTime2	5413... 5414	8207	DWord	RO	curr. range zero cal deviation epoch time stamp of comp2

**1.5 List of Parameters and Registers - Sorted by Tag Name**

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Status.Calibration.ZeroCalDeviationTime3	5421... 5422	8211	DWord	RO	curr. range zero cal deviation epoch time stamp of comp3
Status.Calibration.ZeroCalDeviationTime4	5429... 5430	8215	DWord	RO	curr. range zero cal deviation epoch time stamp of comp4
Status.Calibration.ZeroCalDeviationTime5	5437... 5438	8219	DWord	RO	curr. range zero cal deviation epoch time stamp of comp5
Status.Calibration.ZeroCalDeviatRanges1	16201... 16208	10101... 10104	Float	RO	range1..4 zero cal deviation of comp1
Status.Calibration.ZeroCalDeviatRanges2	16209... 16216	10105... 10108	Float	RO	range1..4 zero cal deviation of comp2
Status.Calibration.ZeroCalDeviatRanges3	16217... 16224	10109... 10112	Float	RO	range1..4 zero cal deviation of comp3
Status.Calibration.ZeroCalDeviatRanges4	16225... 16232	10113... 10116	Float	RO	range1..4 zero cal deviation of comp4
Status.Calibration.ZeroCalDeviatRanges5	16233... 16240	10117... 10120	Float	RO	range1..4 zero cal deviation of comp5
Status.Calibration.ZeroCalDeviatSumRanges1	16281... 16288	10141... 10144	Float	RO	range1..4 zero cal deviation sum of comp1
Status.Calibration.ZeroCalDeviatSumRanges2	16289... 16296	10145... 10148	Float	RO	range1..4 zero cal deviation sum of comp2
Status.Calibration.ZeroCalDeviatSumRanges3	16297... 16304	10149... 10152	Float	RO	range1..4 zero cal deviation sum of comp3
Status.Calibration.ZeroCalDeviatSumRanges4	16305... 16312	10153... 10156	Float	RO	range1..4 zero cal deviation sum of comp4
Status.Calibration.ZeroCalDeviatSumRanges5	16313... 16320	10157... 10160	Float	RO	range1..4 zero cal deviation sum of comp5
Status.Calibration.ZeroCalDeviatTimeRanges1	5521... 5528	8261... 8264	DWord	RO	range1..4 zero cal deviation epoch time stamp of comp1
Status.Calibration.ZeroCalDeviatTimeRanges2	5529... 5536	8265... 8268	DWord	RO	range1..4 zero cal deviation epoch time stamp of comp2
Status.Calibration.ZeroCalDeviatTimeRanges3	5537... 5544	8269... 8272	DWord	RO	range1..4 zero cal deviation epoch time stamp of comp3
Status.Calibration.ZeroCalDeviatTimeRanges4	5545... 5552	8273... 8276	DWord	RO	range1..4 zero cal deviation epoch time stamp of comp4
Status.Calibration.ZeroCalDeviatTimeRanges5	5553... 5560	8277... 8280	DWord	RO	range1..4 zero cal deviation epoch time stamp of comp5
Status.DeviceStates.AnyCalib	1001	1001	Boolean	RO	Any calibration in progress
Status.DeviceStates.AnyValid	1002	1002	Boolean	RO	Any validation in progress
Status.DeviceStates.ChannelState1	5191... 5200	8096... 8100	DWord	RO	component1's state bitfield (b0:.....)
Status.DeviceStates.ChannelState2	5201... 5210	8101... 8105	DWord	RO	component2's state bitfield (b0:.....)
Status.DeviceStates.ChannelState3	5211... 5220	8106... 8110	DWord	RO	component3's state bitfield (b0:.....)

## 1.5 List of Parameters and Registers - Sorted by Tag Name

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Status.DeviceStates.ChannelState4	5221... 5230	8111... 8115	DWord	RO	component4's state bitfield (b0:.....)
Status.DeviceStates.ChannelState5	5231... 5240	8116... 8120	DWord	RO	component5's state bitfield (b0:.....)
Status.DeviceStates.DeviceState	5181... 5190	8091... 8095	DWord	RO	device (N0) state bitfield (b0:.....)
Status.Diagnostics.AfterLinConce1	6909... 6910	9455	Float	RO	after linear. conc component1
Status.Diagnostics.AfterLinConce2	6923... 6924	9462	Float	RO	after linear. conc component2
Status.Diagnostics.AfterLinConce3	6937... 6938	9469	Float	RO	after linear. conc component3
Status.Diagnostics.AfterLinConce4	6951... 6952	9476	Float	RO	after linear. conc component4
Status.Diagnostics.AfterLinConce5	6965... 6966	9483	Float	RO	after linear. conc component5
Status.Diagnostics.AfterZeroCal1	6901... 6902	9451	Float	RO	after zerocal value component1
Status.Diagnostics.AfterZeroCal2	6915... 6916	9458	Float	RO	after zerocal value component2
Status.Diagnostics.AfterZeroCal3	6929... 6930	9465	Float	RO	after zerocal value component3
Status.Diagnostics.AfterZeroCal4	6943... 6944	9472	Float	RO	after zerocal value component4
Status.Diagnostics.AfterZeroCal5	6957... 6958	9479	Float	RO	after zerocal value component5
Status.Diagnostics.BeforeLinConce1	6907... 6908	9454	Float	RO	before linear. conc comp1
Status.Diagnostics.BeforeLinConce2	6921... 6922	9461	Float	RO	before linear. conc comp2
Status.Diagnostics.BeforeLinConce3	6935... 6936	9468	Float	RO	before linear. conc comp3
Status.Diagnostics.BeforeLinConce4	6949... 6950	9475	Float	RO	before linear. conc comp4
Status.Diagnostics.BeforeLinConce5	6963... 6964	9482	Float	RO	before linear. conc comp5
Status.Diagnostics.DSPMuxValue1	6341... 6342	9171	Float	RO	DSP multiplexer value 1
Status.Diagnostics.DSPMuxValue2	6343... 6344	9172	Float	RO	DSP multiplexer value 2
Status.Diagnostics.DSPMuxValue3	6345... 6346	9173	Float	RO	DSP multiplexer value 3

**1.5 List of Parameters and Registers - Sorted by Tag Name**

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Status.Diagnostics.DSPMuxValue4	6347... 6348	9174	Float	RO	DSP multiplexer value 4
Status.Diagnostics.DSPMuxValue5	6349... 6350	9175	Float	RO	DSP multiplexer value 5
Status.Diagnostics.DSPMuxValue6	6351... 6352	9176	Float	RO	DSP multiplexer value 6
Status.Diagnostics.DSPMuxValue7	6353... 6354	9177	Float	RO	DSP multiplexer value 7
Status.Diagnostics.DSPMuxValue8	6355... 6356	9178	Float	RO	DSP multiplexer value 8
Status.Diagnostics.RawMeasConce1	6021... 6022	9011	Float	RO	raw ADC of measure-side component1
Status.Diagnostics.RawMeasConce2	6025... 6026	9013	Float	RO	raw ADC of measure-side component2
Status.Diagnostics.RawMeasConce3	6029... 6030	9015	Float	RO	raw ADC of measure-side component3
Status.Diagnostics.RawMeasConce4	6033... 6034	9017	Float	RO	raw ADC of measure-side component4
Status.Diagnostics.RawMeasConce5	6037... 6038	9019	Float	RO	raw ADC of measure-side component5
Status.Diagnostics.RawQuotConce1	6011... 6012	9006	Float	RO	raw ADC quotient of component1
Status.Diagnostics.RawQuotConce2	6013... 6014	9007	Float	RO	raw ADC quotient of component2
Status.Diagnostics.RawQuotConce3	6015... 6016	9008	Float	RO	raw ADC quotient of component3
Status.Diagnostics.RawQuotConce4	6017... 6018	9009	Float	RO	raw ADC quotient of component4
Status.Diagnostics.RawQuotConce5	6019... 6020	9010	Float	RO	raw ADC quotient of component4
Status.Diagnostics.RawRefConce1	6023... 6024	9012	Float	RO	raw ADC of reference side component1
Status.Diagnostics.RawRefConce2	6027... 6028	9014	Float	RO	raw ADC of reference side component2
Status.Diagnostics.RawRefConce3	6031... 6032	9016	Float	RO	raw ADC of reference side component3
Status.Diagnostics.RawRefConce4	6035... 6036	9018	Float	RO	raw ADC of reference side component4
Status.Diagnostics.RawRefConce5	6039... 6040	9020	Float	RO	raw ADC of reference side component5
Status.Diagnostics.SpanCorrPress1	6913... 6914	9457	Float	RO	Pressure span corr component1
Status.Diagnostics.SpanCorrPress2	6927... 6928	9464	Float	RO	Pressure span corr component2

## 1.5 List of Parameters and Registers - Sorted by Tag Name

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Status.Diagnostics.SpanCorrPress3	6941... 6942	9471	Float	RO	Pressure span corr component3
Status.Diagnostics.SpanCorrPress4	6955... 6956	9478	Float	RO	Pressure span corr component4
Status.Diagnostics.SpanCorrPress5	6971... 6972	9486	Float	RO	Pressure span corr component5
Status.Diagnostics.SpanCorrTemp1	6911... 6912	9456	Float	RO	Temp span corr component1
Status.Diagnostics.SpanCorrTemp2	6925... 6926	9463	Float	RO	Temp span corr component2
Status.Diagnostics.SpanCorrTemp3	6939... 6940	9470	Float	RO	Temp span corr component3
Status.Diagnostics.SpanCorrTemp4	6953... 6954	9477	Float	RO	Temp span corr component4
Status.Diagnostics.SpanCorrTemp5	6967... 6968	9484	Float	RO	Temp span corr component5
Status.Diagnostics.TemperatureZero1	6905... 6906	9453	Float	RO	Temperature for zero corr component1
Status.Diagnostics.TemperatureZero2	6919... 6920	9460	Float	RO	Temperature for zero corr component2
Status.Diagnostics.TemperatureZero3	6933... 6934	9467	Float	RO	Temperature for zero corr component3
Status.Diagnostics.TemperatureZero4	6947... 6948	9474	Float	RO	Temperature for zero corr component4
Status.Diagnostics.TemperatureZero5	6961... 6962	9481	Float	RO	Temperature for zero corr component5
Status.Diagnostics.ZeroCorrTemp1	6903... 6904	9452	Float	RO	temp zero corr component1
Status.Diagnostics.ZeroCorrTemp2	6917... 6918	9459	Float	RO	temp zero corr component2
Status.Diagnostics.ZeroCorrTemp3	6931... 6932	9466	Float	RO	temp zero corr component3
Status.Diagnostics.ZeroCorrTemp4	6945... 6946	9473	Float	RO	temp zero corr component4
Status.Diagnostics.ZeroCorrTemp5	6959... 6960	9480	Float	RO	temp zero corr component5
Status.Flow1	6071... 6072	9036	Float	RO	flow of comp1
Status.Flow2	6073... 6074	9037	Float	RO	flow of comp2
Status.Flow3	6075... 6076	9038	Float	RO	flow of comp3
Status.Flow4	6077... 6078	9039	Float	RO	flow of comp4



**1.5 List of Parameters and Registers - Sorted by Tag Name**

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Status.Flow5	6079... 6080	9040	Float	RO	flow of comp5
Status.IO.InputState1	4037	4037	Word	RO	Input state of a Digital Input Card #1
Status.IO.InputState2	4039	4039	Word	RO	Input state of a Digital Input Card #2
Status.IO.OutputState1	4036	4036	Word	RO	Output state of a XDIO Card #1
Status.IO.OutputState2	4038	4038	Word	RO	Output state of a XDIO Card #2
Status.IO.PSAOutputState	4035	4035	Word	RO	DOut state of a PSA Card
Status.IO.PSASHSSState	4040	4040	Word	RO	state of a PSA Card's SHS
Status.IO.ValveState	5361... 5362	8181	DWord	RO	Valve state bitfield (b0=V1, b1=V2, .... b19=V20)
Status.MaxPeak1	16121... 16122	10061	Float	RO	maximum peak of comp1
Status.MaxPeak2	16123... 16124	10062	Float	RO	maximum peak of comp2
Status.MaxPeak3	16125... 16126	10063	Float	RO	maximum peak of comp3
Status.MaxPeak4	16127... 16128	10064	Float	RO	maximum peak of comp4
Status.MaxPeak5	16129... 16130	10065	Float	RO	maximum peak of comp5
Status.MinPeak1	16111... 16112	10056	Float	RO	minimum peak of comp1
Status.MinPeak2	16113... 16114	10057	Float	RO	minimum peak of comp2
Status.MinPeak3	16115... 16116	10058	Float	RO	minimum peak of comp3
Status.MinPeak4	16117... 16118	10059	Float	RO	minimum peak of comp4
Status.MinPeak5	16119... 16120	10060	Float	RO	minimum peak of comp5
Status.NamurStates.FailAlarmComp1	5049... 5050	8025	DWord	RO	NamurFailure alarms that are component1 related
Status.NamurStates.FailAlarmComp2	5057... 5058	8029	DWord	RO	NamurFailure alarms that are component2 related
Status.NamurStates.FailAlarmComp3	5065... 5066	8033	DWord	RO	NamurFailure alarms that are component3 related
Status.NamurStates.FailAlarmComp4	5073... 5074	8037	DWord	RO	NamurFailure alarms that are component4 related
Status.NamurStates.FailAlarmComp5	5081... 5082	8041	DWord	RO	NamurFailure alarms that are component5 related
Status.NamurStates.FailAlarmDev	5041... 5042	8021	DWord	RO	NamurFailure alarms that are device related

## 1.5 List of Parameters and Registers - Sorted by Tag Name

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Status.NamurStates.FailureActive	5009... 5010	8005	DWord	RO	Namur Failure active bitfield
Status.NamurStates.FailureAlarm	5001... 5002	8001	DWord	RO	Namur Failure alarm bitfield
Status.NamurStates.FctCheckActive	5015... 5016	8008	DWord	RO	Namur Function Check active bitfield
Status.NamurStates.FctCheckAlarm	5007... 5008	8004	DWord	RO	Namur Function Check alarm bitfield
Status.NamurStates.FctCheckAlarmComp1	5055... 5056	8028	DWord	RO	Namur FctCheck alarms that are component1 related
Status.NamurStates.FctCheckAlarmComp2	5063... 5064	8032	DWord	RO	Namur FctCheck alarms that are component1 related
Status.NamurStates.FctCheckAlarmComp3	5071... 5072	8036	DWord	RO	Namur FctCheck alarms that are component1 related
Status.NamurStates.FctCheckAlarmComp4	5079... 5080	8040	DWord	RO	Namur FctCheck alarms that are component1 related
Status.NamurStates.FctCheckAlarmComp5	5087... 5088	8044	DWord	RO	Namur FctCheck alarms that are component1 related
Status.NamurStates.FctCheckAlarmDev	5047... 5048	8024	DWord	RO	Namur FctCheck alarms that are device related
Status.NamurStates.MaintRequActive	5013... 5014	8007	DWord	RO	Namur Maintenance Request active bitfield
Status.NamurStates.MaintRequAlarm	5005... 5006	8003	DWord	RO	Namur Maintenance Request alarm bitfield
Status.NamurStates.MaintRequAlarmComp1	5053... 5054	8027	DWord	RO	Namur MaintRequ alarms that are component1 related
Status.NamurStates.MaintRequAlarmComp2	5061... 5062	8031	DWord	RO	Namur MaintRequ alarms that are component2 related
Status.NamurStates.MaintRequAlarmComp3	5069... 5070	8035	DWord	RO	Namur MaintRequ alarms that are component3 related
Status.NamurStates.MaintRequAlarmComp4	5077... 5078	8039	DWord	RO	Namur MaintRequ alarms that are component4 related
Status.NamurStates.MaintRequAlarmComp5	5085... 5086	8043	DWord	RO	Namur MaintRequ alarms that are component5 related
Status.NamurStates.MaintRequAlarmDev	5045... 5046	8023	DWord	RO	NamurMaintRequ alarms that are device related
Status.NamurStates.NamurAlarm	4001	4001	Word	RO	NAMUR sum state bit-field (b0:F b1:M b2:S b3:C)
Status.NamurStates.NamurAlarmCh1	4003	4003	Word	RO	comp1's NAMUR state bit-field (b0:F b1:M b2:S b3:C)
Status.NamurStates.NamurAlarmCh2	4004	4004	Word	RO	comp2's NAMUR state bit-field (b0:F b1:M b2:S b3:C)
Status.NamurStates.NamurAlarmCh3	4005	4005	Word	RO	comp3's NAMUR state bit-field (b0:F b1:M b2:S b3:C)

**1.5 List of Parameters and Registers - Sorted by Tag Name**

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Status.NamurStates.NamurAlarmCh4	4006	4006	Word	RO	comp4's NAMUR state bit-field (b0:F b1:M b2:S b3:C)
Status.NamurStates.NamurAlarmCh5	4007	4007	Word	RO	comp4's NAMUR state bit-field (b0:F b1:M b2:S b3:C)
Status.NamurStates.NamurAlarmDevice	4002	4002	Word	RO	device's NAMUR state bit-field (b0:F b1:M b2:S b3:C)
Status.NamurStates.OffSpecActive	5011... 5012	8006	DWord	RO	Namur Off-spec active bitfield
Status.NamurStates.OffSpecAlarm	5003... 5004	8002	DWord	RO	Namur Off-spec alarm bitfield
Status.NamurStates.OffSpecAlarmComp1	5051... 5052	8026	DWord	RO	Namur Off-spec alarms that are component1 related
Status.NamurStates.OffSpecAlarmComp2	5059... 5060	8030	DWord	RO	Namur Off-spec alarms that are component2 related
Status.NamurStates.OffSpecAlarmComp3	5067... 5068	8034	DWord	RO	Namur Off-spec alarms that are component3 related
Status.NamurStates.OffSpecAlarmComp4	5075... 5076	8038	DWord	RO	Namur Off-spec alarms that are component4 related
Status.NamurStates.OffSpecAlarmComp5	5083... 5084	8042	DWord	RO	Namur Off-spec alarms that are component5 related
Status.NamurStates.OffSpecAlarmDev	5043... 5044	8022	DWord	RO	NamurOff-spec alarms that are device related
Status.PLC.PLCResult1	1011	1011	Boolean	RO	Result1 of PLC
Status.PLC.PLCResult10	1020	1020	Boolean	RO	Result10 of PLC
Status.PLC.PLCResult11	1021	1021	Boolean	RO	Result11 of PLC
Status.PLC.PLCResult12	1022	1022	Boolean	RO	Result12 of PLC
Status.PLC.PLCResult13	1023	1023	Boolean	RO	Result13 of PLC
Status.PLC.PLCResult14	1024	1024	Boolean	RO	Result14 of PLC
Status.PLC.PLCResult15	1025	1025	Boolean	RO	Result15 of PLC
Status.PLC.PLCResult16	1026	1026	Boolean	RO	Result16 of PLC
Status.PLC.PLCResult17	1027	1027	Boolean	RO	Result17 of PLC
Status.PLC.PLCResult18	1028	1028	Boolean	RO	Result18 of PLC
Status.PLC.PLCResult19	1029	1029	Boolean	RO	Result19 of PLC
Status.PLC.PLCResult2	1012	1012	Boolean	RO	Result2 of PLC
Status.PLC.PLCResult20	1030	1030	Boolean	RO	Result20 of PLC
Status.PLC.PLCResult3	1013	1013	Boolean	RO	Result3 of PLC
Status.PLC.PLCResult4	1014	1014	Boolean	RO	Result4 of PLC
Status.PLC.PLCResult5	1015	1015	Boolean	RO	Result5 of PLC
Status.PLC.PLCResult6	1016	1016	Boolean	RO	Result6 of PLC
Status.PLC.PLCResult7	1017	1017	Boolean	RO	Result7 of PLC
Status.PLC.PLCResult8	1018	1018	Boolean	RO	Result8 of PLC

## 1.5 List of Parameters and Registers - Sorted by Tag Name

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Status.PLC.PLCResult9	1019	1019	Boolean	RO	Result9 of PLC
Status.Pressure1	6061... 6062	9031	Float	RO	pressure of comp1
Status.Pressure2	6063... 6064	9032	Float	RO	pressure of comp2
Status.Pressure3	6065... 6066	9033	Float	RO	pressure of comp3
Status.Pressure4	6067... 6068	9034	Float	RO	pressure of comp4
Status.Pressure5	6069... 6070	9035	Float	RO	pressure of comp5
Status.StdDeviation1	16131... 16132	10066	Float	RO	standard deviation of comp1
Status.StdDeviation2	16133... 16134	10067	Float	RO	standard deviation of comp2
Status.StdDeviation3	16135... 16136	10068	Float	RO	standard deviation of comp3
Status.StdDeviation4	16137... 16138	10069	Float	RO	standard deviation of comp4
Status.StdDeviation5	16139... 16140	10070	Float	RO	standard deviation of comp5
Status.Temperature1	6081... 6082	9041	Float	RO	temperature of comp1
Status.Temperature2	6083... 6084	9042	Float	RO	temperature of comp2
Status.Temperature3	6085... 6086	9043	Float	RO	temperature of comp3
Status.Temperature4	6087... 6088	9044	Float	RO	temperature of comp4
Status.Temperature5	6089... 6090	9045	Float	RO	temperature of comp5
Status.Validation.SpanValidDeviation1	16091... 16092	10046	Float	RO	current range span validation deviation of comp1
Status.Validation.SpanValidDeviation2	16093... 16094	10047	Float	RO	current range span validation deviation of comp2
Status.Validation.SpanValidDeviation3	16095... 16096	10048	Float	RO	current range span validation deviation of comp3
Status.Validation.SpanValidDeviation4	16097... 16098	10049	Float	RO	current range span validation deviation of comp4
Status.Validation.SpanValidDeviation5	16099... 16100	10050	Float	RO	current range span validation deviation of comp5
Status.Validation.SpanValidDeviationTime1	5403... 5404	8202	DWord	RO	curr. range span valid deviation epoch time stamp of comp1

**1.5 List of Parameters and Registers - Sorted by Tag Name**

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Status.Validation.SpanValidDeviationTime2	5411... 5412	8206	DWord	RO	curr. range span valid deviation epoch time stamp of comp2
Status.Validation.SpanValidDeviationTime3	5419... 5420	8210	DWord	RO	curr. range span valid deviation epoch time stamp of comp3
Status.Validation.SpanValidDeviationTime4	5427... 5428	8214	DWord	RO	curr. range span valid deviation epoch time stamp of comp4
Status.Validation.SpanValidDeviationTime5	5435... 5436	8218	DWord	RO	curr. range span valid deviation epoch time stamp of comp5
Status.Validation.SpanValidDeviatRanges1	16401... 16408	10201... 10204	Float	RO	range1..4 span validation deviation of comp1
Status.Validation.SpanValidDeviatRanges2	16409... 16416	10205... 10208	Float	RO	range1..4 span validation deviation of comp2
Status.Validation.SpanValidDeviatRanges3	16417... 16424	10209... 10212	Float	RO	range1..4 span validation deviation of comp3
Status.Validation.SpanValidDeviatRanges4	16425... 16432	10213... 10216	Float	RO	range1..4 span validation deviation of comp4
Status.Validation.SpanValidDeviatRanges5	16433... 16440	10217... 10220	Float	RO	range1..4 span validation deviation of comp5
Status.Validation.SpanValidDeviatTimeRanges1	5481... 5488	8241... 8244	DWord	RO	range1..4 span valid deviation epoch time stamp of comp1
Status.Validation.SpanValidDeviatTimeRanges2	5489... 5496	8245... 8248	DWord	RO	range1..4 span valid deviation epoch time stamp of comp2
Status.Validation.SpanValidDeviatTimeRanges3	5497... 5504	8249... 8252	DWord	RO	range1..4 span valid deviation epoch time stamp of comp3
Status.Validation.SpanValidDeviatTimeRanges4	5505... 5512	8253... 8256	DWord	RO	range1..4 span valid deviation epoch time stamp of comp4
Status.Validation.SpanValidDeviatTimeRanges5	5513... 5520	8257... 8260	DWord	RO	range1..4 span valid deviation epoch time stamp of comp5
Status.Validation.ZeroValidDeviation1	16081... 16082	10041	Float	RO	current range zero validation deviation of comp1
Status.Validation.ZeroValidDeviation2	16083... 16084	10042	Float	RO	current range zero validation deviation of comp2
Status.Validation.ZeroValidDeviation3	16085... 16086	10043	Float	RO	current range zero validation deviation of comp3
Status.Validation.ZeroValidDeviation4	16087... 16088	10044	Float	RO	current range zero validation deviation of comp4
Status.Validation.ZeroValidDeviation5	16089... 16090	10045	Float	RO	current range zero validation deviation of comp5
Status.Validation.ZeroValidDeviationTime1	5401... 5402	8201	DWord	RO	curr. range zero valid deviation epoch time stamp of comp1
Status.Validation.ZeroValidDeviationTime2	5409... 5410	8205	DWord	RO	curr. range zero valid deviation epoch time stamp of comp2
Status.Validation.ZeroValidDeviationTime3	5417... 5418	8209	DWord	RO	curr. range zero valid deviation epoch time stamp of comp3

## 1.5 List of Parameters and Registers - Sorted by Tag Name

Tag Name	Address		Data Type	Client Access	Description
	Modicon	Daniel			
Status.Validation.ZeroValidDeviationTime4	5425... 5426	8213	DWord	RO	curr. range zero valid deviation epoch time stamp of comp4
Status.Validation.ZeroValidDeviationTime5	5433... 5434	8217	DWord	RO	curr. range zero valid deviation epoch time stamp of comp5
Status.Validation.ZeroValidDeviatRanges1	16361... 16368	10181... 10184	Float	RO	range1..4 zero validation deviation of comp1
Status.Validation.ZeroValidDeviatRanges2	16369... 16376	10185... 10188	Float	RO	range1..4 zero validation deviation of comp2
Status.Validation.ZeroValidDeviatRanges3	16377... 16384	10189... 10192	Float	RO	range1..4 zero validation deviation of comp3
Status.Validation.ZeroValidDeviatRanges4	16385... 16392	10193... 10196	Float	RO	range1..4 zero validation deviation of comp4
Status.Validation.ZeroValidDeviatRanges5	16393... 16400	10197... 10200	Float	RO	range1..4 zero validation deviation of comp5
Status.Validation.ZeroValidDeviatTimeRanges1	5441... 5448	8221... 8224	DWord	RO	range1..4 zero valid deviation epoch time stamp of comp1
Status.Validation.ZeroValidDeviatTimeRanges2	5449... 5456	8225... 8228	DWord	RO	range1..4 zero valid deviation epoch time stamp of comp2
Status.Validation.ZeroValidDeviatTimeRanges3	5457... 5464	8229... 8232	DWord	RO	range1..4 zero valid deviation epoch time stamp of comp3
Status.Validation.ZeroValidDeviatTimeRanges4	5465... 5472	8233... 8236	DWord	RO	range1..4 zero valid deviation epoch time stamp of comp4
Status.Validation.ZeroValidDeviatTimeRanges5	5473... 5480	8237... 8240	DWord	RO	range1..4 zero valid deviation epoch time stamp of comp5

1.6 List of Parameters and Registers - Sorted by Daniel Registers

1.6 List of Parameters and Registers - Sorted by Daniel Registers

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
1001	1001	Status.DeviceStates.AnyCalib	Boolean	RO	Any calibration in progress
1002	1002	Status.DeviceStates.AnyValid	Boolean	RO	Any validation in progress
1011	1011	Status.PLC.PLCResult1	Boolean	RO	Result1 of PLC
1012	1012	Status.PLC.PLCResult2	Boolean	RO	Result2 of PLC
1013	1013	Status.PLC.PLCResult3	Boolean	RO	Result3 of PLC
1014	1014	Status.PLC.PLCResult4	Boolean	RO	Result4 of PLC
1015	1015	Status.PLC.PLCResult5	Boolean	RO	Result5 of PLC
1016	1016	Status.PLC.PLCResult6	Boolean	RO	Result6 of PLC
1017	1017	Status.PLC.PLCResult7	Boolean	RO	Result7 of PLC
1018	1018	Status.PLC.PLCResult8	Boolean	RO	Result8 of PLC
1019	1019	Status.PLC.PLCResult9	Boolean	RO	Result9 of PLC
1020	1020	Status.PLC.PLCResult10	Boolean	RO	Result10 of PLC
1021	1021	Status.PLC.PLCResult11	Boolean	RO	Result11 of PLC
1022	1022	Status.PLC.PLCResult12	Boolean	RO	Result12 of PLC
1023	1023	Status.PLC.PLCResult13	Boolean	RO	Result13 of PLC
1024	1024	Status.PLC.PLCResult14	Boolean	RO	Result14 of PLC
1025	1025	Status.PLC.PLCResult15	Boolean	RO	Result15 of PLC
1026	1026	Status.PLC.PLCResult16	Boolean	RO	Result16 of PLC
1027	1027	Status.PLC.PLCResult17	Boolean	RO	Result17 of PLC
1028	1028	Status.PLC.PLCResult18	Boolean	RO	Result18 of PLC
1029	1029	Status.PLC.PLCResult19	Boolean	RO	Result19 of PLC
1030	1030	Status.PLC.PLCResult20	Boolean	RO	Result20 of PLC
2001	2001	Control.Calibration.Zero_1	Boolean	R/W	Zero calibration comp1 (1=start)
2002	2002	Control.Calibration.Zero_2	Boolean	R/W	Zero calibration comp2 (1=start)
2003	2003	Control.Calibration.Zero_3	Boolean	R/W	Zero calibration comp3 (1=start)
2004	2004	Control.Calibration.Zero_4	Boolean	R/W	Zero calibration comp4 (1=start)
2005	2005	Control.Calibration.Zero_5	Boolean	R/W	Zero calibration comp5 (1=start)
2006	2006	Control.Calibration.Span_1	Boolean	R/W	Span calibration comp1 (1=start)
2007	2007	Control.Calibration.Span_2	Boolean	R/W	Span calibration comp2 (1=start)
2008	2008	Control.Calibration.Span_3	Boolean	R/W	Span calibration comp3 (1=start)
2009	2009	Control.Calibration.Span_4	Boolean	R/W	Span calibration comp4 (1=start)
2010	2010	Control.Calibration.Span_5	Boolean	R/W	Span calibration comp5 (1=start)
2011	2011	Control.Calibration.ZeroSpan_1	Boolean	R/W	Zero+span calibration comp1 (1=start)
2012	2012	Control.Calibration.ZeroSpan_2	Boolean	R/W	Zero+span calibration comp1 (1=start)
2013	2013	Control.Calibration.ZeroSpan_3	Boolean	R/W	Zero+span calibration comp1 (1=start)
2014	2014	Control.Calibration.ZeroSpan_4	Boolean	R/W	Zero+span calibration comp1 (1=start)
2015	2015	Control.Calibration.ZeroSpan_5	Boolean	R/W	Zero+span calibration comp1 (1=start)
2016	2016	Control.Calibration.Blowback_1	Boolean	R/W	Blowback procedure comp1 (1=start)
2017	2017	Control.Calibration.Blowback_2	Boolean	R/W	Blowback procedure comp2 (1=start)
2018	2018	Control.Calibration.Blowback_3	Boolean	R/W	Blowback procedure comp3 (1=start)
2019	2019	Control.Calibration.Blowback_4	Boolean	R/W	Blowback procedure comp4 (1=start)
2020	2020	Control.Calibration.Blowback_5	Boolean	R/W	Blowback procedure comp5 (1=start)
2021	2021	Control.Calibration.Zero_All	Boolean	R/W	Zero calibration all (1=start)
2022	2022	Control.Calibration.Span_All	Boolean	R/W	Span calibration all (1=start)
2023	2023	Control.Calibration.ZeroSpan_All	Boolean	R/W	Zero+span calibration all (1=start)

## 1.6 List of Parameters and Registers - Sorted by Daniel Registers

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
2024	2024	Control.Calibration.ProgSequence	Boolean	R/W	Zero+span calibration all (1=start)
2025	2025	Control.Calibration.Blowback_All	Boolean	R/W	Blowback procedure all (1=start)
2026	2026	Control.Calibration.Calib_Cancel	Boolean	R/W	Cancel any calibration (1=cancel)
2041	2041	Setup.Calibration.ZeroCalDeviatReset1	Boolean	R/W	Reset zero cal deviations of comp1 (1=reset)
2042	2042	Setup.Calibration.ZeroCalDeviatReset2	Boolean	R/W	Reset zero cal deviations of comp2 (1=reset)
2043	2043	Setup.Calibration.ZeroCalDeviatReset3	Boolean	R/W	Reset zero cal deviations of comp3 (1=reset)
2044	2044	Setup.Calibration.ZeroCalDeviatReset4	Boolean	R/W	Reset zero cal deviations of comp4 (1=reset)
2045	2045	Setup.Calibration.ZeroCalDeviatReset5	Boolean	R/W	Reset zero cal deviations of comp5 (1=reset)
2046	2046	Setup.Calibration.SpanCalDeviatReset1	Boolean	R/W	Reset span cal deviations of comp1 (1=reset)
2047	2047	Setup.Calibration.SpanCalDeviatReset2	Boolean	R/W	Reset span cal deviations of comp2 (1=reset)
2048	2048	Setup.Calibration.SpanCalDeviatReset3	Boolean	R/W	Reset span cal deviations of comp3 (1=reset)
2049	2049	Setup.Calibration.SpanCalDeviatReset4	Boolean	R/W	Reset span cal deviations of comp4 (1=reset)
2050	2050	Setup.Calibration.SpanCalDeviatReset5	Boolean	R/W	Reset span cal deviations of comp5 (1=reset)
2051	2051	Control.ApplyGas.SampleValve1	Boolean	R/W	0=close all valves; 1=open sample valve comp1
2052	2052	Control.ApplyGas.SampleValve2	Boolean	R/W	0=close all valves; 1=open sample valve comp2
2053	2053	Control.ApplyGas.SampleValve3	Boolean	R/W	0=close all valves; 1=open sample valve comp3
2054	2054	Control.ApplyGas.SampleValve4	Boolean	R/W	0=close all valves; 1=open sample valve comp4
2055	2055	Control.ApplyGas.SampleValve5	Boolean	R/W	0=close all valves; 1=open sample valve comp5
2056	2056	Control.ApplyGas.ZeroValve1	Boolean	R/W	0=open sample valve; 1=open zero valve comp1
2057	2057	Control.ApplyGas.ZeroValve2	Boolean	R/W	0=open sample valve; 1=open zero valve comp2
2058	2058	Control.ApplyGas.ZeroValve3	Boolean	R/W	0=open sample valve; 1=open zero valve comp3
2059	2059	Control.ApplyGas.ZeroValve4	Boolean	R/W	0=open sample valve; 1=open zero valve comp4
2060	2060	Control.ApplyGas.ZeroValve5	Boolean	R/W	0=open sample valve; 1=open zero valve comp4
2061	2061	Control.ApplyGas.Span1Valve1	Boolean	R/W	0=open sample valve; 1=open span1 valve comp1
2062	2062	Control.ApplyGas.Span2Valve1	Boolean	R/W	0=open sample valve; 1=open span2 valve comp1
2063	2063	Control.ApplyGas.Span3Valve1	Boolean	R/W	0=open sample valve; 1=open span3 valve comp1
2064	2064	Control.ApplyGas.Span4Valve1	Boolean	R/W	0=open sample valve; 1=open span4 valve comp1
2065	2065	Control.ApplyGas.Span1Valve2	Boolean	R/W	0=open sample valve; 1=open span1 valve comp2
2066	2066	Control.ApplyGas.Span2Valve2	Boolean	R/W	0=open sample valve; 1=open span2 valve comp2
2067	2067	Control.ApplyGas.Span3Valve2	Boolean	R/W	0=open sample valve; 1=open span3 valve comp2
2068	2068	Control.ApplyGas.Span4Valve2	Boolean	R/W	0=open sample valve; 1=open span4 valve comp2
2069	2069	Control.ApplyGas.Span1Valve3	Boolean	R/W	0=open sample valve; 1=open span1 valve comp3
2070	2070	Control.ApplyGas.Span2Valve3	Boolean	R/W	0=open sample valve; 1=open span2 valve comp3
2071	2071	Control.ApplyGas.Span3Valve3	Boolean	R/W	0=open sample valve; 1=open span3 valve comp3
2072	2072	Control.ApplyGas.Span4Valve3	Boolean	R/W	0=open sample valve; 1=open span4 valve comp3
2073	2073	Control.ApplyGas.Span1Valve4	Boolean	R/W	0=open sample valve; 1=open span1 valve comp4
2074	2074	Control.ApplyGas.Span2Valve4	Boolean	R/W	0=open sample valve; 1=open span2 valve comp4
2075	2075	Control.ApplyGas.Span3Valve4	Boolean	R/W	0=open sample valve; 1=open span3 valve comp4
2076	2076	Control.ApplyGas.Span4Valve4	Boolean	R/W	0=open sample valve; 1=open span4 valve comp4
2077	2077	Control.ApplyGas.Span1Valve5	Boolean	R/W	0=open sample valve; 1=open span1 valve comp5
2078	2078	Control.ApplyGas.Span2Valve5	Boolean	R/W	0=open sample valve; 1=open span2 valve comp5
2079	2079	Control.ApplyGas.Span3Valve5	Boolean	R/W	0=open sample valve; 1=open span3 valve comp5
2080	2080	Control.ApplyGas.Span4Valve5	Boolean	R/W	0=open sample valve; 1=open span4 valve comp5
2081	2081	Control.ApplyGas.PumpState1	Boolean	R/W	Pump1 state (0=Off 1=On)
2082	2082	Control.ApplyGas.PumpState2	Boolean	R/W	Pump1 state (0=Off 1=On)
2091	2091	Control.Acknowledge.AllStates	Boolean	R/W	1=Acknowledge device's states; 0=no effect



**1.6 List of Parameters and Registers - Sorted by Daniel Registers**

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
2092	2092	Control.Acknowledge.Failure	Boolean	R/W	1=Acknowledge device's Namur Failure alarms; 0=no effect
2093	2093	Control.Acknowledge.OffSpecs	Boolean	R/W	1=Acknowledge device's Namur Off-spec alarms; 0=no effect
2094	2094	Control.Acknowledge.MaintRequests	Boolean	R/W	1=Acknowledge device's Namur MaintRequ alarms; 0=no effect
2095	2095	Control.Acknowledge.FctChecks	Boolean	R/W	1=Acknowledge device's Namur FctCheck alarms; 0=no effect
2096	2096	Control.Acknowledge.LevelAlarms	Boolean	R/W	1=Acknowledge device's level alarms; 0=no effect
2100	2100	Service.General.ResetDevice	Boolean	R/W	Reset the device
2101	2101	Control.Validation.Zero_1	Boolean	R/W	Zero validation comp1 (1=start)
2102	2102	Control.Validation.Zero_2	Boolean	R/W	Zero validation comp2 (1=start)
2103	2103	Control.Validation.Zero_3	Boolean	R/W	Zero validation comp3 (1=start)
2104	2104	Control.Validation.Zero_4	Boolean	R/W	Zero validation comp4 (1=start)
2105	2105	Control.Validation.Zero_5	Boolean	R/W	Zero validation comp5 (1=start)
2106	2106	Control.Validation.Span_1	Boolean	R/W	Span validation comp1 (1=start)
2107	2107	Control.Validation.Span_2	Boolean	R/W	Span validation comp2 (1=start)
2108	2108	Control.Validation.Span_3	Boolean	R/W	Span validation comp3 (1=start)
2109	2109	Control.Validation.Span_4	Boolean	R/W	Span validation comp4 (1=start)
2110	2110	Control.Validation.Span_5	Boolean	R/W	Span validation comp5 (1=start)
2111	2111	Control.Validation.ZeroSpan_1	Boolean	R/W	Zero+span validation comp1 (1=start)
2112	2112	Control.Validation.ZeroSpan_2	Boolean	R/W	Zero+span validation comp1 (1=start)
2113	2113	Control.Validation.ZeroSpan_3	Boolean	R/W	Zero+span validation comp1 (1=start)
2114	2114	Control.Validation.ZeroSpan_4	Boolean	R/W	Zero+span validation comp1 (1=start)
2115	2115	Control.Validation.ZeroSpan_5	Boolean	R/W	Zero+span validation comp1 (1=start)
2121	2121	Control.Validation.Zero_All	Boolean	R/W	Zero validation all (1=start)
2122	2122	Control.Validation.Span_All	Boolean	R/W	Span validation all (1=start)
2123	2123	Control.Validation.ZeroSpan_All	Boolean	R/W	Zero+span validation all (1=start)
2126	2126	Setup.Measurement.StdDeviationReset1	Boolean	R/W	Reset computing standard deviation of comp1 (1=reset)
2127	2127	Setup.Measurement.StdDeviationReset2	Boolean	R/W	Reset computing standard deviation of comp2 (1=reset)
2128	2128	Setup.Measurement.StdDeviationReset3	Boolean	R/W	Reset computing standard deviation of comp3 (1=reset)
2129	2129	Setup.Measurement.StdDeviationReset4	Boolean	R/W	Reset computing standard deviation of comp4 (1=reset)
2130	2130	Setup.Measurement.StdDeviationReset5	Boolean	R/W	Reset computing standard deviation of comp5 (1=reset)
2131	2131	Setup.Measurement.AverageReset1	Boolean	R/W	Reset averaging of comp1 (1=reset)
2132	2132	Setup.Measurement.AverageReset2	Boolean	R/W	Reset averaging of comp2 (1=reset)
2133	2133	Setup.Measurement.AverageReset3	Boolean	R/W	Reset averaging of comp3 (1=reset)
2134	2134	Setup.Measurement.AverageReset4	Boolean	R/W	Reset averaging of comp4 (1=reset)
2135	2135	Setup.Measurement.AverageReset5	Boolean	R/W	Reset averaging of comp5 (1=reset)
2136	2136	Setup.Measurement.PeakReset1	Boolean	R/W	Reset capturing peaks of comp1 (1=reset)
2137	2137	Setup.Measurement.PeakReset2	Boolean	R/W	Reset capturing peaks of comp2 (1=reset)
2138	2138	Setup.Measurement.PeakReset3	Boolean	R/W	Reset capturing peaks of comp3 (1=reset)
2139	2139	Setup.Measurement.PeakReset4	Boolean	R/W	Reset capturing peaks of comp4 (1=reset)

## 1.6 List of Parameters and Registers - Sorted by Daniel Registers

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
2140	2140	Setup.Measurement.PeakReset5	Boolean	R/W	Reset capturing peaks of comp5 (1=reset)
2141	2141	Setup.Validation.ZeroValidDeviatReset1	Boolean	R/W	Reset zero validation deviations of comp1 (1=reset)
2142	2142	Setup.Validation.ZeroValidDeviatReset2	Boolean	R/W	Reset zero validation deviations of comp2 (1=reset)
2143	2143	Setup.Validation.ZeroValidDeviatReset3	Boolean	R/W	Reset zero validation deviations of comp3 (1=reset)
2144	2144	Setup.Validation.ZeroValidDeviatReset4	Boolean	R/W	Reset zero validation deviations of comp4 (1=reset)
2145	2145	Setup.Validation.ZeroValidDeviatReset5	Boolean	R/W	Reset zero validation deviations of comp5 (1=reset)
2146	2146	Setup.Validation.SpanValidDeviatReset1	Boolean	R/W	Reset span validation deviations of comp1 (1=reset)
2147	2147	Setup.Validation.SpanValidDeviatReset2	Boolean	R/W	Reset span validation deviations of comp2 (1=reset)
2148	2148	Setup.Validation.SpanValidDeviatReset3	Boolean	R/W	Reset span validation deviations of comp3 (1=reset)
2149	2149	Setup.Validation.SpanValidDeviatReset4	Boolean	R/W	Reset span validation deviations of comp4 (1=reset)
2150	2150	Setup.Validation.SpanValidDeviatReset5	Boolean	R/W	Reset span validation deviations of comp5 (1=reset)
3001	3001	Service.General.ChannelActive1	Word	R/W	built-in component1
3002	3002	Service.General.ChannelActive2	Word	R/W	built-in component2
3003	3003	Service.General.ChannelActive3	Word	R/W	built-in component3
3004	3004	Service.General.ChannelActive4	Word	R/W	built-in component4
3005	3005	Service.General.ChannelActive5	Word	R/W	built-in component5
3010	3010	Setup.Display.Language	Word	R/W	Language (0=EN 1=DE 2=FR ...)
3011	3011	Setup.Display.Component.PV_Unit1	Word	R/W	PV1 unit: 0 = Custom, ppm, ppb, Vol%
3012... 3015	3012... 3015	Setup.Display.Component.PV_UnitString1	String	R/W	unit displayed for comp1
3016	3016	Setup.Display.Component.PV_Unit2	Word	R/W	PV2 unit: 0 = Custom, ppm, ppb, Vol%
3017... 3020	3017... 3020	Setup.Display.Component.PV_UnitString2	String	R/W	unit displayed for comp2
3021	3021	Setup.Display.Component.PV_Unit3	Word	R/W	PV3 unit: 0 = Custom, ppm, ppb, Vol%
3022... 3025	3022... 3025	Setup.Display.Component.PV_UnitString3	String	R/W	unit displayed for comp3
3026	3026	Setup.Display.Component.PV_Unit4	Word	R/W	PV4 unit: 0 = Custom, ppm, ppb, Vol%
3027... 3030	3027... 3030	Setup.Display.Component.PV_UnitString4	String	R/W	unit displayed for comp4
3031	3031	Setup.Display.Component.PV_Unit5	Word	R/W	PV5 unit: 0 = Custom, ppm, ppb, Vol%
3032... 3035	3032... 3035	Setup.Display.Component.PV_UnitString5	String	R/W	unit displayed for comp5
3036	3036	Setup.Display.Component.Precision1	Word	R/W	decimal points displayed for component1
3037	3037	Setup.Display.Component.Precision2	Word	R/W	decimal points displayed for component2
3038	3038	Setup.Display.Component.Precision3	Word	R/W	decimal points displayed for component3
3039	3039	Setup.Display.Component.Precision4	Word	R/W	decimal points displayed for component4
3040	3040	Setup.Display.Component.Precision5	Word	R/W	decimal points displayed for component4
3041... 3045	3041... 3045	Setup.Display.Component.Tag1	String	R/W	displayed tag for component1
3046... 3050	3046... 3050	Setup.Display.Component.Tag2	String	R/W	displayed tag for component2

**1.6 List of Parameters and Registers - Sorted by Daniel Registers**

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
3051... 3055	3051... 3055	Setup.Display.Component.Tag3	String	R/W	displayed tag for component3
3056... 3060	3056... 3060	Setup.Display.Component.Tag4	String	R/W	displayed tag for component4
3061... 3065	3061... 3065	Setup.Display.Component.Tag5	String	R/W	displayed tag for component5
3071... 3074	3071... 3074	Setup.Display.Component.Gasname1	String	R/W	gas name of component1
3075... 3078	3075... 3078	Setup.Display.Component.Gasname2	String	R/W	gas name of component2
3079... 3082	3079... 3082	Setup.Display.Component.Gasname3	String	R/W	gas name of component3
3083... 3086	3083... 3086	Setup.Display.Component.Gasname4	String	R/W	gas name of component4
3087... 3090	3087... 3090	Setup.Display.Component.Gasname5	String	R/W	gas name of component5
3091	3091	Setup.Display.MeasDisplay.Dis1Line1	Word	R/W	assigned signal of measure display 1, Line 1
3092	3092	Setup.Display.MeasDisplay.Dis1Line2	Word	R/W	assigned signal of measure display 1, Line 2
3093	3093	Setup.Display.MeasDisplay.Dis1Line3	Word	R/W	assigned signal of measure display 1, Line 3
3094	3094	Setup.Display.MeasDisplay.Dis1Line4	Word	R/W	assigned signal of measure display 1, Line 4
3095	3095	Setup.Display.MeasDisplay.Dis1Line5	Word	R/W	assigned signal of measure display 1, Line 5
3096	3096	Setup.Display.MeasDisplay.Dis2Line1	Word	R/W	assigned signal of measure display 2, Line 1
3097	3097	Setup.Display.MeasDisplay.Dis2Line2	Word	R/W	assigned signal of measure display 2, Line 2
3098	3098	Setup.Display.MeasDisplay.Dis2Line3	Word	R/W	assigned signal of measure display 2, Line 3
3099	3099	Setup.Display.MeasDisplay.Dis2Line4	Word	R/W	assigned signal of measure display 2, Line 4
3100	3100	Setup.Display.MeasDisplay.Dis2Line5	Word	R/W	assigned signal of measure display 2, Line 5
3101... 3104	3101... 3104	Setup.Display.MeasDisplay.Dis1Label1	String	R/W	displayed label of measure display 1, Line 1
3105... 3108	3105... 3108	Setup.Display.MeasDisplay.Dis1Label2	String	R/W	displayed label of measure display 1, Line 2
3109... 3112	3109... 3112	Setup.Display.MeasDisplay.Dis1Label3	String	R/W	displayed label of measure display 1, Line 3
3113... 3116	3113... 3116	Setup.Display.MeasDisplay.Dis1Label4	String	R/W	displayed label of measure display 1, Line 4
3117... 3120	3117... 3120	Setup.Display.MeasDisplay.Dis1Label5	String	R/W	displayed label of measure display 1, Line 5
3121... 3124	3121... 3124	Setup.Display.MeasDisplay.Dis2Label1	String	R/W	displayed label of measure display 2, Line 1
3125... 3128	3125... 3128	Setup.Display.MeasDisplay.Dis2Label2	String	R/W	displayed label of measure display 2, Line 2
3129... 3132	3129... 3132	Setup.Display.MeasDisplay.Dis2Label3	String	R/W	displayed label of measure display 2, Line 3
3133... 3136	3133... 3136	Setup.Display.MeasDisplay.Dis2Label4	String	R/W	displayed label of measure display 2, Line 4
3137... 3140	3137... 3140	Setup.Display.MeasDisplay.Dis2Label5	String	R/W	displayed label of measure display 2, Line 5
3141... 3147	3141... 3147	Info.SerialNumber	String	RO	serial number of the device

## 1.6 List of Parameters and Registers - Sorted by Daniel Registers

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
3141... 3147	3141... 3147	Service.General.Identification.SerialNumber	String	R/W	serial number of the device
3151	3151	Setup.In/Outputs.DO.Node_DO1	Word	R/W	node of DigOut1 / XPSA
3152	3152	Setup.In/Outputs.DO.Node_DO2	Word	R/W	node of DigOut2 / XPSA
3153	3153	Setup.In/Outputs.DO.Node_DO3	Word	R/W	node of DigOut3 / XPSA
3154	3154	Setup.In/Outputs.DO.Node_DO4	Word	R/W	node of DigOut4 / XPSA
3156	3156	Setup.In/Outputs.DO.Signal_DO1	Word	R/W	signal of DigOut1 / XPSA
3157	3157	Setup.In/Outputs.DO.Signal_DO2	Word	R/W	signal of DigOut2 / XPSA
3158	3158	Setup.In/Outputs.DO.Signal_DO3	Word	R/W	signal of DigOut3 / XPSA
3159	3159	Setup.In/Outputs.DO.Signal_DO4	Word	R/W	signal of DigOut4 / XPSA
3161	3161	Setup.In/Outputs.DO.Node_DO5	Word	R/W	node of DigOut5 / XDIO1 Out1
3162	3162	Setup.In/Outputs.DO.Node_DO6	Word	R/W	node of DigOut6 / XDIO1 Out2
3163	3163	Setup.In/Outputs.DO.Node_DO7	Word	R/W	node of DigOut7 / XDIO1 Out3
3164	3164	Setup.In/Outputs.DO.Node_DO8	Word	R/W	node of DigOut8 / XDIO1 Out4
3165	3165	Setup.In/Outputs.DO.Node_DO9	Word	R/W	node of DigOut9 / XDIO1 Out5
3166	3166	Setup.In/Outputs.DO.Node_DO10	Word	R/W	node of DigOut10 / XDIO1 Out6
3167	3167	Setup.In/Outputs.DO.Node_DO11	Word	R/W	node of DigOut11 / XDIO1 Out7
3168	3168	Setup.In/Outputs.DO.Node_DO12	Word	R/W	node of DigOut12 / XDIO1 Out8
3169	3169	Setup.In/Outputs.DO.Node_DO13	Word	R/W	node of DigOut13 / XDIO1 Out9
3171	3171	Setup.In/Outputs.DO.Signal_DO5	Word	R/W	signal of DigOut5 / XDIO1 Out1
3172	3172	Setup.In/Outputs.DO.Signal_DO6	Word	R/W	signal of DigOut6 / XDIO1 Out2
3173	3173	Setup.In/Outputs.DO.Signal_DO7	Word	R/W	signal of DigOut7 / XDIO1 Out3
3174	3174	Setup.In/Outputs.DO.Signal_DO8	Word	R/W	signal of DigOut8 / XDIO1 Out4
3175	3175	Setup.In/Outputs.DO.Signal_DO9	Word	R/W	signal of DigOut9 / XDIO1 Out5
3176	3176	Setup.In/Outputs.DO.Signal_DO10	Word	R/W	signal of DigOut10 / XDIO1 Out6
3177	3177	Setup.In/Outputs.DO.Signal_DO11	Word	R/W	signal of DigOut11 / XDIO1 Out7
3178	3178	Setup.In/Outputs.DO.Signal_DO12	Word	R/W	signal of DigOut12 / XDIO1 Out8
3179	3179	Setup.In/Outputs.DO.Signal_DO13	Word	R/W	signal of DigOut13 / XDIO1 Out9
3180	3180	Service.IO.InputSimEnable1	Word	R/W	Enable Inputs Simulation of XDIO Card #1
3181	3181	Setup.In/Outputs.DO.Node_DO14	Word	R/W	node of DigOut14 / XDIO2 Out1
3182	3182	Setup.In/Outputs.DO.Node_DO15	Word	R/W	node of DigOut15 / XDIO2 Out2
3183	3183	Setup.In/Outputs.DO.Node_DO16	Word	R/W	node of DigOut16 / XDIO2 Out3
3184	3184	Setup.In/Outputs.DO.Node_DO17	Word	R/W	node of DigOut17 / XDIO2 Out4
3185	3185	Setup.In/Outputs.DO.Node_DO18	Word	R/W	node of DigOut18 / XDIO2 Out5
3186	3186	Setup.In/Outputs.DO.Node_DO19	Word	R/W	node of DigOut19 / XDIO2 Out6
3187	3187	Setup.In/Outputs.DO.Node_DO20	Word	R/W	node of DigOut20 / XDIO2 Out7
3188	3188	Setup.In/Outputs.DO.Node_DO21	Word	R/W	node of DigOut21 / XDIO2 Out8
3189	3189	Setup.In/Outputs.DO.Node_DO22	Word	R/W	node of DigOut22 / XDIO2 Out9
3191	3191	Setup.In/Outputs.DO.Signal_DO14	Word	R/W	signal of DigOut14 / XDIO2 Out1
3192	3192	Setup.In/Outputs.DO.Signal_DO15	Word	R/W	signal of DigOut15 / XDIO2 Out2
3193	3193	Setup.In/Outputs.DO.Signal_DO16	Word	R/W	signal of DigOut16 / XDIO2 Out3
3194	3194	Setup.In/Outputs.DO.Signal_DO17	Word	R/W	signal of DigOut17 / XDIO2 Out4
3195	3195	Setup.In/Outputs.DO.Signal_DO18	Word	R/W	signal of DigOut18 / XDIO2 Out5
3196	3196	Setup.In/Outputs.DO.Signal_DO19	Word	R/W	signal of DigOut19 / XDIO2 Out6
3197	3197	Setup.In/Outputs.DO.Signal_DO20	Word	R/W	signal of DigOut20 / XDIO2 Out7
3198	3198	Setup.In/Outputs.DO.Signal_DO21	Word	R/W	signal of DigOut21 / XDIO2 Out8

**1.6 List of Parameters and Registers - Sorted by Daniel Registers**

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
3199	3199	Setup.In/Outputs.DO.Signal_DO22	Word	R/W	signal of DigOut22 / XDIO2 Out9
3200	3200	Service.IO.InputSimEnable2	Word	R/W	Enable Inputs Simulation of XDIO Card #2
3201	3201	Setup.In/Outputs.SHS.Node_Gas1	Word	R/W	node of SHS GasOut1
3202	3202	Setup.In/Outputs.SHS.Node_Gas2	Word	R/W	node of SHS GasOut2
3203	3203	Setup.In/Outputs.SHS.Node_Gas3	Word	R/W	node of SHS GasOut3
3204	3204	Setup.In/Outputs.SHS.Node_Gas4	Word	R/W	node of SHS GasOut4
3205	3205	Setup.In/Outputs.SHS.Node_Gas5	Word	R/W	node of SHS GasOut5
3206	3206	Setup.In/Outputs.SHS.Node_Gas6	Word	R/W	node of SHS GasOut6
3207	3207	Setup.In/Outputs.SHS.Node_Gas7	Word	R/W	node of SHS GasOut7
3208	3208	Setup.In/Outputs.SHS.Node_Gas8	Word	R/W	node of SHS GasOut8
3209	3209	Setup.In/Outputs.SHS.Node_Pump1	Word	R/W	node of SHS Pump1
3210	3210	Setup.In/Outputs.SHS.Node_Pump2	Word	R/W	node of SHS Pump1
3211	3211	Setup.In/Outputs.SHS.Signal_Gas1	Word	R/W	signal of SHS GasOut1
3212	3212	Setup.In/Outputs.SHS.Signal_Gas2	Word	R/W	signal of SHS GasOut2
3213	3213	Setup.In/Outputs.SHS.Signal_Gas3	Word	R/W	signal of SHS GasOut3
3214	3214	Setup.In/Outputs.SHS.Signal_Gas4	Word	R/W	signal of SHS GasOut4
3215	3215	Setup.In/Outputs.SHS.Signal_Gas5	Word	R/W	signal of SHS GasOut5
3216	3216	Setup.In/Outputs.SHS.Signal_Gas6	Word	R/W	signal of SHS GasOut6
3217	3217	Setup.In/Outputs.SHS.Signal_Gas7	Word	R/W	signal of SHS GasOut7
3218	3218	Setup.In/Outputs.SHS.Signal_Gas8	Word	R/W	signal of SHS GasOut8
3219	3219	Setup.In/Outputs.SHS.Signal_Pump1	Word	R/W	signal of SHS Pump1
3220	3220	Setup.In/Outputs.SHS.Signal_Pump2	Word	R/W	signal of SHS Pump1
3221	3221	Setup.In/Outputs.DI.Node_DI1	Word	R/W	node of DigInp1 / XDIO1 Inp1
3222	3222	Setup.In/Outputs.DI.Node_DI2	Word	R/W	node of DigInp2 / XDIO1 Inp2
3223	3223	Setup.In/Outputs.DI.Node_DI3	Word	R/W	node of DigInp3 / XDIO1 Inp3
3224	3224	Setup.In/Outputs.DI.Node_DI4	Word	R/W	node of DigInp4 / XDIO1 Inp4
3225	3225	Setup.In/Outputs.DI.Node_DI5	Word	R/W	node of DigInp5 / XDIO1 Inp5
3226	3226	Setup.In/Outputs.DI.Node_DI6	Word	R/W	node of DigInp6 / XDIO1 Inp6
3227	3227	Setup.In/Outputs.DI.Node_DI7	Word	R/W	node of DigInp7 / XDIO1 Inp7
3228	3228	Setup.In/Outputs.DI.Signal_DI1	Word	R/W	signal of DigInp1 / XDIO1 Inp1
3229	3229	Setup.In/Outputs.DI.Signal_DI2	Word	R/W	signal of DigInp2 / XDIO1 Inp2
3230	3230	Setup.In/Outputs.DI.Signal_DI3	Word	R/W	signal of DigInp3 / XDIO1 Inp3
3231	3231	Setup.In/Outputs.DI.Signal_DI4	Word	R/W	signal of DigInp4 / XDIO1 Inp4
3232	3232	Setup.In/Outputs.DI.Signal_DI5	Word	R/W	signal of DigInp5 / XDIO1 Inp5
3233	3233	Setup.In/Outputs.DI.Signal_DI6	Word	R/W	signal of DigInp6 / XDIO1 Inp6
3234	3234	Setup.In/Outputs.DI.Signal_DI7	Word	R/W	signal of DigInp7 / XDIO1 Inp7
3235	3235	Service.IO.InputSimVal1	Word	R/W	Simulation Input state of a XDIO Card #1
3236	3236	Setup.In/Outputs.DI.Node_DI8	Word	R/W	node of DigInp8 / XDIO2 Inp1
3237	3237	Setup.In/Outputs.DI.Node_DI9	Word	R/W	node of DigInp9 / XDIO2 Inp2
3238	3238	Setup.In/Outputs.DI.Node_DI10	Word	R/W	node of DigInp10 / XDIO2 Inp3
3239	3239	Setup.In/Outputs.DI.Node_DI11	Word	R/W	node of DigInp11 / XDIO2 Inp4
3240	3240	Setup.In/Outputs.DI.Node_DI12	Word	R/W	node of DigInp12 / XDIO2 Inp5
3241	3241	Setup.In/Outputs.DI.Node_DI13	Word	R/W	node of DigInp13 / XDIO2 Inp6
3242	3242	Setup.In/Outputs.DI.Node_DI14	Word	R/W	node of DigInp14 / XDIO2 Inp7
3243	3243	Setup.In/Outputs.DI.Signal_DI8	Word	R/W	signal of DigInp8 / XDIO2 Inp1
3244	3244	Setup.In/Outputs.DI.Signal_DI9	Word	R/W	signal of DigInp9 / XDIO2 Inp2

## 1.6 List of Parameters and Registers - Sorted by Daniel Registers

Address		Tag Name	Data Type	Client Access	Description
<b>Daniel</b>	<b>Modicon</b>				
3245	3245	Setup.In/Outputs.DI.Signal_DI10	Word	R/W	signal of DigInp10 / XDIO2 Inp3
3246	3246	Setup.In/Outputs.DI.Signal_DI11	Word	R/W	signal of DigInp11 / XDIO2 Inp4
3247	3247	Setup.In/Outputs.DI.Signal_DI12	Word	R/W	signal of DigInp12 / XDIO2 Inp5
3248	3248	Setup.In/Outputs.DI.Signal_DI13	Word	R/W	signal of DigInp13 / XDIO2 Inp6
3249	3249	Setup.In/Outputs.DI.Signal_DI14	Word	R/W	signal of DigInp14 / XDIO2 Inp7
3250	3250	Service.IO.InputSimVal2	Word	R/W	Simulation Input state of a XDIO Card #2
3251...	3251...	Service.General.Identification.ManufacturingInfo	String	R/W	Infos stored for manufacturing purposes
3266	3266				
3270	3270	Setup.In/Outputs.AO.NumberOuts	Word	R/W	number of analog outputs
3271	3271	Setup.In/Outputs.AO.SignalAsgn1	Word	R/W	assigned signal output1
3272	3272	Setup.In/Outputs.AO.OutRange1	Word	R/W	range of output1 (0=0..20mA 1=4-20mA)
3273	3273	Setup.In/Outputs.AO.AutoScale1	Word	R/W	Auto scale for ranged signals on output1 (0=N0 1=Yes)
3274	3274	Setup.In/Outputs.AO.FailMode1	Word	R/W	Behavior on errors output1 (0=Track 1=-10%Start 2=+10%End)
3275	3275	Setup.In/Outputs.AO.Hold1	Word	R/W	Hold output1 on calibrations (0=Track 1=Hold)
3276	3276	Setup.In/Outputs.AO.SignalAsgn2	Word	R/W	assigned signal output2
3277	3277	Setup.In/Outputs.AO.OutRange2	Word	R/W	range of output2 (0=0..20mA 1=4-20mA)
3278	3278	Setup.In/Outputs.AO.AutoScale2	Word	R/W	Auto scale for ranged signals on output2 (0=N0 1=Yes)
3279	3279	Setup.In/Outputs.AO.FailMode2	Word	R/W	Behavior on errors output2 (0=Track 1=-10%Start 2=+10%End)
3280	3280	Setup.In/Outputs.AO.Hold2	Word	R/W	Hold output2 on calibrations (0=Track 1=Hold)
3281	3281	Setup.In/Outputs.AO.SignalAsgn3	Word	R/W	assigned signal output3
3282	3282	Setup.In/Outputs.AO.OutRange3	Word	R/W	range of output3 (0=0..20mA 1=4-20mA)
3283	3283	Setup.In/Outputs.AO.AutoScale3	Word	R/W	Auto scale for ranged signals on output3 (0=N0 1=Yes)
3284	3284	Setup.In/Outputs.AO.FailMode3	Word	R/W	Behavior on errors output3 (0=Track 1=-10%Start 2=+10%End)
3285	3285	Setup.In/Outputs.AO.Hold3	Word	R/W	Hold output3 on calibrations (0=Track 1=Hold)
3286	3286	Setup.In/Outputs.AO.SignalAsgn4	Word	R/W	assigned signal output4
3287	3287	Setup.In/Outputs.AO.OutRange4	Word	R/W	range of output4 (0=0..20mA 1=4-20mA)
3288	3288	Setup.In/Outputs.AO.AutoScale4	Word	R/W	Auto scale for ranged signals on output4 (0=N0 1=Yes)
3289	3289	Setup.In/Outputs.AO.FailMode4	Word	R/W	Behavior on errors output4 (0=Track 1=-10%Start 2=+10%End)
3290	3290	Setup.In/Outputs.AO.Hold4	Word	R/W	Hold output4 on calibrations (0=Track 1=Hold)
3291	3291	Setup.In/Outputs.AO.SignalAsgn5	Word	R/W	assigned signal output5
3292	3292	Setup.In/Outputs.AO.OutRange5	Word	R/W	range of output5 (0=0..20mA 1=4-20mA)
3293	3293	Setup.In/Outputs.AO.AutoScale5	Word	R/W	Auto scale for ranged signals on output5 (0=N0 1=Yes)
3294	3294	Setup.In/Outputs.AO.FailMode5	Word	R/W	Behavior on errors output5 (0=Track 1=-10%Start 2=+10%End)
3295	3295	Setup.In/Outputs.AO.Hold5	Word	R/W	Hold output5 on calibrations (0=Track 1=Hold)
3296	3296	Setup.In/Outputs.AO.CutMode1	Word	R/W	Cut mode on output1 (0=Standard 1=Config)
3297	3297	Setup.In/Outputs.AO.CutMode2	Word	R/W	Cut mode on output2 (0=Standard 1=Config)
3298	3298	Setup.In/Outputs.AO.CutMode3	Word	R/W	Cut mode on output3 (0=Standard 1=Config)
3299	3299	Setup.In/Outputs.AO.CutMode4	Word	R/W	Cut mode on output4 (0=Standard 1=Config)
3300	3300	Setup.In/Outputs.AO.CutMode5	Word	R/W	Cut mode on output5 (0=Standard 1=Config)
3301	3301	Setup.Calibration.ZeroMethod1	Word	R/W	zero cal method comp1 (0=Instant, 1=Stability)
3302	3302	Setup.Calibration.ZeroMethod2	Word	R/W	zero cal method comp2 (0=Instant, 1=Stability)
3303	3303	Setup.Calibration.ZeroMethod3	Word	R/W	zero cal method comp3 (0=Instant, 1=Stability)

**1.6 List of Parameters and Registers - Sorted by Daniel Registers**

Address		Tag Name	Data Type	Client Access	Description
<b>Daniel</b>	<b>Modicon</b>				
3304	3304	Setup.Calibration.ZeroMethod4	Word	R/W	zero cal method comp4 (0=Instant, 1=Stability)
3305	3305	Setup.Calibration.ZeroMethod5	Word	R/W	zero cal method comp5 (0=Instant, 1=Stability)
3306	3306	Setup.Calibration.SpanMethod1	Word	R/W	span cal method comp1 (0=Instant, 1=Stability)
3307	3307	Setup.Calibration.SpanMethod2	Word	R/W	span cal method comp2 (0=Instant, 1=Stability)
3308	3308	Setup.Calibration.SpanMethod3	Word	R/W	span cal method comp2 (0=Instant, 1=Stability)
3309	3309	Setup.Calibration.SpanMethod4	Word	R/W	span cal method comp4 (0=Instant, 1=Stability)
3310	3310	Setup.Calibration.SpanMethod5	Word	R/W	span cal method comp5 (0=Instant, 1=Stability)
3311	3311	Service.Calibration.ChanProcMode1	Word	R/W	cal proc mode comp1 (0=Disabled 1=Manual 2=SingleAuto 3=AdvCal)
3312	3312	Service.Calibration.ChanProcMode2	Word	R/W	cal proc mode comp2 (0=Disabled 1=Manual 2=SingleAuto 3=AdvCal)
3313	3313	Service.Calibration.ChanProcMode3	Word	R/W	cal proc mode comp3 (0=Disabled 1=Manual 2=SingleAuto 3=AdvCal)
3314	3314	Service.Calibration.ChanProcMode4	Word	R/W	cal proc mode comp4 (0=Disabled 1=Manual 2=SingleAuto 3=AdvCal)
3315	3315	Service.Calibration.ChanProcMode5	Word	R/W	cal proc mode comp5 (0=Disabled 1=Manual 2=SingleAuto 3=AdvCal)
3316	3316	Service.Calibration.Tubing	Word	R/W	Tubing (0=Parallel 1=Serial)
3397	3397	Setup.Communication.SIntModbusFt32	Word	R/W	Modbus 32Bit mode of serial COM
3398	3398	Setup.Communication.SSvcModbusFt32	Word	R/W	Modbus 32Bit mode of serial service COM
3399	3399	Setup.Communication.Eth2ModbusFt32	Word	R/W	Modbus 32Bit mode of Ethernet2
3400	3400	Setup.Communication.Eth1ModbusFt32	Word	R/W	Modbus 32Bit mode of Ethernet1
3401	3401	Service.Measurement.Compensation.ToffEnable1	Word	R/W	enable temperature zero compensation of comp1
3402	3402	Service.Measurement.Compensation.ToffEnable2	Word	R/W	enable temperature zero compensation of comp2
3403	3403	Service.Measurement.Compensation.ToffEnable3	Word	R/W	enable temperature zero compensation of comp3
3404	3404	Service.Measurement.Compensation.ToffEnable4	Word	R/W	enable temperature zero compensation of comp4
3405	3405	Service.Measurement.Compensation.ToffEnable5	Word	R/W	enable temperature zero compensation of comp5
3406	3406	Service.Measurement.Compensation.ToffSensorAssign1	Word	R/W	assign temp-sensor of zero comp1 (0=None 1=DSP_T1 2=DSP_T2 etc.
3407	3407	Service.Measurement.Compensation.ToffSensorAssign2	Word	R/W	assign temp-sensor of zero comp2 (0=None 1=DSP_T1 2=DSP_T2 etc.
3408	3408	Service.Measurement.Compensation.ToffSensorAssign3	Word	R/W	assign temp-sensor of zero comp3 (0=None 1=DSP_T1 2=DSP_T2 etc.
3409	3409	Service.Measurement.Compensation.ToffSensorAssign4	Word	R/W	assign temp-sensor of zero comp4 (0=None 1=DSP_T1 2=DSP_T2 etc.
3410	3410	Service.Measurement.Compensation.ToffSensorAssign5	Word	R/W	assign temp-sensor of zero comp5 (0=None 1=DSP_T1 2=DSP_T2 etc.
3411	3411	Service.Measurement.Compensation.TfactEnable1	Word	R/W	enable temperature span compensation of comp1
3412	3412	Service.Measurement.Compensation.TfactEnable2	Word	R/W	enable temperature span compensation of comp2

## 1.6 List of Parameters and Registers - Sorted by Daniel Registers

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
3413	3413	Service.Measurement.Compensation.TfactEnable3	Word	R/W	enable temperature span compensation of comp3
3414	3414	Service.Measurement.Compensation.TfactEnable4	Word	R/W	enable temperature span compensation of comp4
3415	3415	Service.Measurement.Compensation.TfactEnable5	Word	R/W	enable temperature span compensation of comp5
3416	3416	Service.Measurement.Compensation.TfactSensorAssign1	Word	R/W	assign temp-sensor of span comp1 (0=None 1=DSP_T1 2=DSP_T2 etc.)
3417	3417	Service.Measurement.Compensation.TfactSensorAssign2	Word	R/W	assign temp-sensor of span comp2 (0=None 1=DSP_T1 2=DSP_T2 etc.)
3418	3418	Service.Measurement.Compensation.TfactSensorAssign3	Word	R/W	assign temp-sensor of span comp3 (0=None 1=DSP_T1 2=DSP_T2 etc.)
3419	3419	Service.Measurement.Compensation.TfactSensorAssign4	Word	R/W	assign temp-sensor of span comp4 (0=None 1=DSP_T1 2=DSP_T2 etc.)
3420	3420	Service.Measurement.Compensation.TfactSensorAssign5	Word	R/W	assign temp-sensor of span comp5 (0=None 1=DSP_T1 2=DSP_T2 etc.)
3421	3421	Service.Measurement.Compensation.PfactEnable1	Word	R/W	enable pressure span compensation of comp1
3422	3422	Service.Measurement.Compensation.PfactEnable2	Word	R/W	enable pressure span compensation of comp2
3423	3423	Service.Measurement.Compensation.PfactEnable3	Word	R/W	enable pressure span compensation of comp3
3424	3424	Service.Measurement.Compensation.PfactEnable4	Word	R/W	enable pressure span compensation of comp4
3425	3425	Service.Measurement.Compensation.PfactEnable5	Word	R/W	enable pressure span compensation of comp5
3426	3426	Service.Measurement.Compensation.PfactSensorAssign1	Word	R/W	assign press-sensor of span comp1 (0=Man 1=DSP_P1 2=DSP_P2 etc.)
3427	3427	Service.Measurement.Compensation.PfactSensorAssign2	Word	R/W	assign press-sensor of span comp2 (0=Man 1=DSP_P1 2=DSP_P2 etc.)
3428	3428	Service.Measurement.Compensation.PfactSensorAssign3	Word	R/W	assign press-sensor of span comp3 (0=Man 1=DSP_P1 2=DSP_P2 etc.)
3429	3429	Service.Measurement.Compensation.PfactSensorAssign4	Word	R/W	assign press-sensor of span comp4 (0=Man 1=DSP_P1 2=DSP_P2 etc.)
3430	3430	Service.Measurement.Compensation.PfactSensorAssign5	Word	R/W	assign press-sensor of span comp5 (0=Man 1=DSP_P1 2=DSP_P2 etc.)
3431	3431	Setup.Measurement.ZeroRangesMethod1	Word	R/W	Method to zero cal/val the ranges of comp1 (0=separately, 1=toge)
3432	3432	Setup.Measurement.ZeroRangesMethod2	Word	R/W	Method to zero cal/val the ranges of comp2 (0=separately, 1=toge)
3433	3433	Setup.Measurement.ZeroRangesMethod3	Word	R/W	Method to zero cal/val the ranges of comp3 (0=separately, 1=toge)
3434	3434	Setup.Measurement.ZeroRangesMethod4	Word	R/W	Method to zero cal/val the ranges of comp4 (0=separately, 1=toge)
3435	3435	Setup.Measurement.ZeroRangesMethod5	Word	R/W	Method to zero cal/val the ranges of comp5 (0=separately, 1=toge)
3436	3436	Setup.Measurement.SpanRangesMethod1	Word	R/W	Method to span cal/val the ranges of comp1 (0=separately, 1=toge)



**1.6 List of Parameters and Registers - Sorted by Daniel Registers**

Address		Tag Name	Data Type	Client Access	Description
<b>Daniel</b>	<b>Modicon</b>				
3437	3437	Setup.Measurement.SpanRangesMethod2	Word	R/W	Method to span cal/val the ranges of comp2 (0=separately, 1=toge
3438	3438	Setup.Measurement.SpanRangesMethod3	Word	R/W	Method to span cal/val the ranges of comp3 (0=separately, 1=toge
3439	3439	Setup.Measurement.SpanRangesMethod4	Word	R/W	Method to span cal/val the ranges of comp4 (0=separately, 1=toge
3440	3440	Setup.Measurement.SpanRangesMethod5	Word	R/W	Method to span cal/val the ranges of comp5 (0=separately, 1=toge
3441	3441	Setup.Measurement.RangeAvailable1	Word	R/W	Ranges available bitfield of Comp1 (b0=R1,b1=R2,b2=R3,b3=R4)
3442	3442	Setup.Measurement.RangeAvailable2	Word	R/W	Ranges available bitfield of Comp2 (b0=R1,b1=R2,b2=R3,b3=R4)
3443	3443	Setup.Measurement.RangeAvailable3	Word	R/W	Ranges available bitfield of Comp3 (b0=R1,b1=R2,b2=R3,b3=R4)
3444	3444	Setup.Measurement.RangeAvailable4	Word	R/W	Ranges available bitfield of Comp4 (b0=R1,b1=R2,b2=R3,b3=R4)
3445	3445	Setup.Measurement.RangeAvailable5	Word	R/W	Ranges available bitfield of Comp5 (b0=R1,b1=R2,b2=R3,b3=R4)
3446	3446	Setup.Measurement.RangeControlMode1	Word	R/W	Method for range switching Comp1 (0=Manual,1=Auto,2=DigInput)
3447	3447	Setup.Measurement.RangeControlMode2	Word	R/W	Method for range switching Comp2 (0=Manual,1=Auto,2=DigInput)
3448	3448	Setup.Measurement.RangeControlMode3	Word	R/W	Method for range switching Comp3 (0=Manual,1=Auto,2=DigInput)
3449	3449	Setup.Measurement.RangeControlMode4	Word	R/W	Method for range switching Comp4 (0=Manual,1=Auto,2=DigInput)
3450	3450	Setup.Measurement.RangeControlMode5	Word	R/W	Method for range switching Comp5 (0=Manual,1=Auto,2=DigInput)
3451	3451	Control.Range.CurrentRange1	Word	R/W	current range comp1 (0=R1, 1=R2, 2=R3, 3=R4)
3452	3452	Control.Range.CurrentRange2	Word	R/W	current range comp2 (0=R1, 1=R2, 2=R3, 3=R4)
3453	3453	Control.Range.CurrentRange3	Word	R/W	current range comp3 (0=R1, 1=R2, 2=R3, 3=R4)
3454	3454	Control.Range.CurrentRange4	Word	R/W	current range comp4 (0=R1, 1=R2, 2=R3, 3=R4)
3455	3455	Control.Range.CurrentRange5	Word	R/W	current range comp5 (0=R1, 1=R2, 2=R3, 3=R4)
3456	3456	Service.Measurement.Simulation.SimPVARawEnable1	Word	R/W	enable simulation for rawPVA of comp1
3457	3457	Service.Measurement.Simulation.SimPVARawEnable2	Word	R/W	enable simulation for rawPVA of comp2
3458	3458	Service.Measurement.Simulation.SimPVARawEnable3	Word	R/W	enable simulation for rawPVA of comp3
3459	3459	Service.Measurement.Simulation.SimPVARawEnable4	Word	R/W	enable simulation for rawPVA of comp4
3460	3460	Service.Measurement.Simulation.SimPVARawEnable5	Word	R/W	enable simulation for rawPVA of comp5
3461... 3468	3461... 3468	Service.Measurement.Simulation.SimXSPMuxEnable1	Word	R/W	enable simulation for XSP's multiplexer value1..8
3471	3471	Setup.Measurement.XIntf.Enable1	Word	R/W	Enable cross interference compensation for comp1
3472	3472	Setup.Measurement.XIntf.Enable2	Word	R/W	Enable cross interference compensation for comp2
3473	3473	Setup.Measurement.XIntf.Enable3	Word	R/W	Enable cross interference compensation for comp3

## 1.6 List of Parameters and Registers - Sorted by Daniel Registers

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
3474	3474	Setup.Measurement.XIntf.Enable4	Word	R/W	Enable cross interference compensation for comp4
3475	3475	Setup.Measurement.XIntf.Enable5	Word	R/W	Enable cross interference compensation for comp5
3476	3476	Setup.Measurement.XIntf.ComputeFactor1	Word	R/W	Compute cross interference factor comp1 (0=Src1, 1=Src2 etc.)
3477	3477	Setup.Measurement.XIntf.ComputeFactor2	Word	R/W	Compute cross interference factor comp2 (0=Src1, 1=Src2 etc.)
3478	3478	Setup.Measurement.XIntf.ComputeFactor3	Word	R/W	Compute cross interference factor comp3 (0=Src1, 1=Src2 etc.)
3479	3479	Setup.Measurement.XIntf.ComputeFactor4	Word	R/W	Compute cross interference factor comp4 (0=Src1, 1=Src2 etc.)
3480	3480	Setup.Measurement.XIntf.ComputeFactor5	Word	R/W	Compute cross interference factor comp5 (0=Src1, 1=Src2 etc.)
3481... 3484	3481... 3484	Setup.Measurement.XIntf.Sources1	Word	R/W	Interf. sources 1..4 comp1 (0=None 1=Conc1 2=Conc2 6=AIN1 etc.)
3485... 3488	3485... 3488	Setup.Measurement.XIntf.Sources2	Word	R/W	Interf. sources 1..4 comp2 (0=None 1=Conc1 2=Conc2 6=AIN1 etc.)
3489... 3492	3489... 3492	Setup.Measurement.XIntf.Sources3	Word	R/W	Interf. sources 1..4 comp3 (0=None 1=Conc1 2=Conc2 6=AIN1 etc.)
3493... 3496	3493... 3496	Setup.Measurement.XIntf.Sources4	Word	R/W	Interf. sources 1..4 comp4 (0=None 1=Conc1 2=Conc2 6=AIN1 etc.)
3497... 3500	3497... 3500	Setup.Measurement.XIntf.Sources5	Word	R/W	Interf. sources 1..4 comp5 (0=None 1=Conc1 2=Conc2 6=AIN1 etc.)
3501	3501	Service.Measurement.Lin.Enable1	Word	R/W	Enable Linearizer of comp1
3502	3502	Service.Measurement.Lin.Enable2	Word	R/W	Enable Linearizer of comp1
3503	3503	Service.Measurement.Lin.Enable3	Word	R/W	Enable Linearizer of comp1
3504	3504	Service.Measurement.Lin.Enable4	Word	R/W	Enable Linearizer of comp1
3505	3505	Service.Measurement.Lin.Enable5	Word	R/W	Enable Linearizer of comp1
3506	3506	Service.Measurement.Lin.Method1	Word	R/W	Linearization method of comp1 (0=Splines, 1=Polynom)
3507	3507	Service.Measurement.Lin.Method2	Word	R/W	Linearization method of comp2 (0=Splines, 1=Polynom)
3508	3508	Service.Measurement.Lin.Method3	Word	R/W	Linearization method of comp3 (0=Splines, 1=Polynom)
3509	3509	Service.Measurement.Lin.Method4	Word	R/W	Linearization method of comp4 (0=Splines, 1=Polynom)
3510	3510	Service.Measurement.Lin.Method5	Word	R/W	Linearization method of comp5 (0=Splines, 1=Polynom)
3511	3511	Service.Measurement.Lin.StartFunction1	Word	R/W	LinFct c1: 1=On/Off 2=Calc 3=ToUSB 4=FromUSB 5=Install 6=ToFile
3512	3512	Service.Measurement.Lin.StartFunction2	Word	R/W	LinFct c2: 1=On/Off 2=Calc 3=ToUSB 4=FromUSB 5=Install 6=ToFile
3513	3513	Service.Measurement.Lin.StartFunction3	Word	R/W	LinFct c3: 1=On/Off 2=Calc 3=ToUSB 4=FromUSB 5=Install 6=ToFile
3514	3514	Service.Measurement.Lin.StartFunction4	Word	R/W	LinFct c4: 1=On/Off 2=Calc 3=ToUSB 4=FromUSB 5=Install 6=ToFile
3515	3515	Service.Measurement.Lin.StartFunction5	Word	R/W	LinFct c5: 1=On/Off 2=Calc 3=ToUSB 4=FromUSB 5=Install 6=ToFile
3516	3516	Service.Measurement.Lin.Linearizer-Status1	Word	RO	Lin. status comp1 (0=Normal 1=Underflow 2=Overflow 3=Undefined)
3517	3517	Service.Measurement.Lin.Linearizer-Status2	Word	RO	Lin. status comp2 (0=Normal 1=Underflow 2=Overflow 3=Undefined)
3518	3518	Service.Measurement.Lin.Linearizer-Status3	Word	RO	Lin. status comp3 (0=Normal 1=Underflow 2=Overflow 3=Undefined)

**1.6 List of Parameters and Registers - Sorted by Daniel Registers**

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
3519	3519	Service.Measurement.Lin.Linearizer-Status4	Word	RO	Lin. status comp4 (0=Normal 1=Underflow 2=Overflow 3=Undefined)
3520	3520	Service.Measurement.Lin.Linearizer-Status5	Word	RO	Lin. status comp5 (0=Normal 1=Underflow 2=Overflow 3=Undefined)
3521	3521	Service.Measurement.Lin.Iterations1	Word	R/W	Lin-computing iteration steps of comp1)
3522	3522	Service.Measurement.Lin.Iterations2	Word	R/W	Lin-computing iteration steps of comp1)
3523	3523	Service.Measurement.Lin.Iterations3	Word	R/W	Lin-computing iteration steps of comp1)
3524	3524	Service.Measurement.Lin.Iterations4	Word	R/W	Lin-computing iteration steps of comp1)
3525	3525	Service.Measurement.Lin.Iterations5	Word	R/W	Lin-computing iteration steps of comp1)
3526	3526	Service.Measurement.Lin.CalcSets1	Word	R/W	LinFct PolySets (0=All 1=P1 2=P2 3=P3 4=P4) comp1
3527	3527	Service.Measurement.Lin.CalcSets2	Word	R/W	LinFct PolySets (0=All 1=P1 2=P2 3=P3 4=P4) comp2
3528	3528	Service.Measurement.Lin.CalcSets3	Word	R/W	LinFct PolySets (0=All 1=P1 2=P2 3=P3 4=P4) comp3
3529	3529	Service.Measurement.Lin.CalcSets4	Word	R/W	LinFct PolySets (0=All 1=P1 2=P2 3=P3 4=P4) comp4
3530	3530	Service.Measurement.Lin.CalcSets5	Word	R/W	LinFct PolySets (0=All 1=P1 2=P2 3=P3 4=P4) comp5
3531...	3531...	Service.Measurement.Lin.RangePoly-Set1	Word	R/W	polyn. set of range1..4 comp1 (0=Poly1 1=Poly2 2=Poly3 3=Poly4)
3535...	3535...	Service.Measurement.Lin.RangePoly-Set2	Word	R/W	polyn. set of range1..4 comp2 (0=Poly1 1=Poly2 2=Poly3 3=Poly4)
3539...	3539...	Service.Measurement.Lin.RangePoly-Set3	Word	R/W	polyn. set of range1..4 comp3 (0=Poly1 1=Poly2 2=Poly3 3=Poly4)
3543...	3543...	Service.Measurement.Lin.RangePoly-Set4	Word	R/W	polyn. set of range1..4 comp4 (0=Poly1 1=Poly2 2=Poly3 3=Poly4)
3547...	3547...	Service.Measurement.Lin.RangePoly-Set5	Word	R/W	polyn. set of range1..4 comp5 (0=Poly1 1=Poly2 2=Poly3 3=Poly4),
3551...	3551...	Service.Measurement.Lin.EnablePolyn1	Word	R/W	Enable polyn. linearizers (R1..R4) of comp1
3555...	3555...	Service.Measurement.Lin.EnablePolyn2	Word	R/W	Enable polyn. linearizers (R1..R4) of comp2
3559...	3559...	Service.Measurement.Lin.EnablePolyn3	Word	R/W	Enable polyn. linearizers (R1..R4) of comp3
3563...	3563...	Service.Measurement.Lin.EnablePolyn4	Word	R/W	Enable polyn. linearizers (R1..R4) of comp4
3567...	3567...	Service.Measurement.Lin.EnablePolyn5	Word	R/W	Enable polyn. linearizers (R1..R4) of comp5
3571...	3571...	Service.Measurement.Lin.CalcResults1	Word	RO	LinCalc results (P1..P4) comp1 (0=NoCoeff 1=Good 2=Busy ..)
3575...	3575...	Service.Measurement.Lin.CalcResults2	Word	R/W	LinCalc results (P1..P4) comp2 (0=NoCoeff 1=Good 2=Busy ..)
3579...	3579...	Service.Measurement.Lin.CalcResults3	Word	R/W	LinCalc results (P1..P4) comp3 (0=NoCoeff 1=Good 2=Busy ..)
3583...	3583...	Service.Measurement.Lin.CalcResults4	Word	R/W	LinCalc results (P1..P4) comp4 (0=NoCoeff 1=Good 2=Busy ..)
3587...	3587...	Service.Measurement.Lin.CalcResults5	Word	R/W	LinCalc results (P1..P4) comp5 (0=NoCoeff 1=Good 2=Busy ..)
4001	4001	Status.NamurStates.NamurAlarm	Word	RO	NAMUR sum state bit-field (b0:F b1:M b2:S b3:C)
4002	4002	Status.NamurStates.NamurAlarmDevice	Word	RO	device's NAMUR state bit-field (b0:F b1:M b2:S b3:C)
4003	4003	Status.NamurStates.NamurAlarmCh1	Word	RO	comp1's NAMUR state bit-field (b0:F b1:M b2:S b3:C)

## 1.6 List of Parameters and Registers - Sorted by Daniel Registers

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
4004	4004	Status.NamurStates.NamurAlarmCh2	Word	RO	comp2's NAMUR state bit-field (b0:F b1:M b2:S b3:C)
4005	4005	Status.NamurStates.NamurAlarmCh3	Word	RO	comp3's NAMUR state bit-field (b0:F b1:M b2:S b3:C)
4006	4006	Status.NamurStates.NamurAlarmCh4	Word	RO	comp4's NAMUR state bit-field (b0:F b1:M b2:S b3:C)
4007	4007	Status.NamurStates.NamurAlarmCh5	Word	RO	comp4's NAMUR state bit-field (b0:F b1:M b2:S b3:C)
4011... 4016	4011... 4016	Info.ProgramVersion	String	RO	software release version
4017... 4022	4017... 4022	Service.General.Identification.Program-VersionDate	String	RO	software release date
4026	4026	Info.SensorVersion	Word	RO	Version number of sensor firmware
4027	4027	Service.General.Identification.Sensor-Build	Word	RO	Build number of sensor firmware
4028	4028	Service.General.Identification.CPLD-Version	Word	RO	Version number of CPLD firmware
4033	4033	Info.InterfaceID	Word	RO	ID of used Interface(1=SerProc 2=SerSvc 17=ETH1 18=ETH2)
4035	4035	Status.IO.PSAOutputState	Word	RO	DOut state of a PSA Card
4036	4036	Status.IO.OutputState1	Word	RO	Output state of a XDIO Card #1
4037	4037	Status.IO.InputState1	Word	RO	Input state of a Digital Input Card #1
4038	4038	Status.IO.OutputState2	Word	RO	Output state of a XDIO Card #2
4039	4039	Status.IO.InputState2	Word	RO	Input state of a Digital Input Card #2
4040	4040	Status.IO.PSASHSState	Word	RO	state of a PSA Card's SHS
4051... 4054	4051... 4054	Setup.Measurement.XIntf.SignalStates1	Word	RO	Cross interfere signal value states1..4 for comp1
4055... 4058	4055... 4058	Setup.Measurement.XIntf.SignalStates2	Word	RO	Cross interfere signal value states1..4 for comp2
4059... 4062	4059... 4062	Setup.Measurement.XIntf.SignalStates3	Word	RO	Cross interfere signal value states1..4 for comp3
4063... 4066	4063... 4066	Setup.Measurement.XIntf.SignalStates4	Word	RO	Cross interfere signal value states1..4 for comp4
4067... 4070	4067... 4070	Setup.Measurement.XIntf.SignalStates5	Word	RO	Cross interfere signal value states1..4 for comp5
8001	5001... 5002	Status.NamurStates.FailureAlarm	DWord	RO	Namur Failure alarm bitfield
8002	5003... 5004	Status.NamurStates.OffSpecAlarm	DWord	RO	Namur Off-spec alarm bitfield
8003	5005... 5006	Status.NamurStates.MaintRequAlarm	DWord	RO	Namur Maintenance Request alarm bitfield
8004	5007... 5008	Status.NamurStates.FctCheckAlarm	DWord	RO	Namur Function Check alarm bitfield
8005	5009... 5010	Status.NamurStates.FailureActive	DWord	RO	Namur Failure active bitfield
8006	5011... 5012	Status.NamurStates.OffSpecActive	DWord	RO	Namur Off-spec active bitfield
8007	5013... 5014	Status.NamurStates.MaintRequActive	DWord	RO	Namur Maintenance Request active bitfield
8008	5015... 5016	Status.NamurStates.FctCheckActive	DWord	RO	Namur Function Check active bitfield

**1.6 List of Parameters and Registers - Sorted by Daniel Registers**

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
8011	5021... 5022	Service.Status.NAMUR.FailureMask	DWord	R/W	Bitmask that disables failure sources
8012	5023... 5024	Service.Status.NAMUR.OffSpecMask	DWord	R/W	Bitmask that disables NAMUR OffSpec sources
8013	5025... 5026	Service.Status.NAMUR.MaintMask	DWord	R/W	Bitmask that disables NAMUR maintenance request sources
8014	5027... 5028	Service.Status.NAMUR.FctCheckMask	DWord	R/W	Bitmask that disables NAMUR FctCheck sources
8015	5029... 5030	Service.Status.NAMUR.FailureMap	DWord	RO	Bitmask that maps cond. for failure source
8016	5031... 5032	Service.Status.NAMUR.OffSpecMap	DWord	RO	Bitmask that maps cond. to OffSpec source
8017	5033... 5034	Service.Status.NAMUR.MaintMap	DWord	RO	Bitmask that maps cond. for maintenance request source
8018	5035... 5036	Service.Status.NAMUR.FctCheckMap	DWord	RO	Bitmask that maps cond. for FctCheck source
8021	5041... 5042	Status.NamurStates.FailAlarmDev	DWord	RO	NamurFailure alarms that are device related
8022	5043... 5044	Status.NamurStates.OffSpecAlarmDev	DWord	RO	NamurOff-spec alarms that are device related
8023	5045... 5046	Status.NamurStates.MaintRequAlarm-Dev	DWord	RO	NamurMaintRequ alarms that are device related
8024	5047... 5048	Status.NamurStates.FctCheckAlarmDev	DWord	RO	Namur FctCheck alarms that are device related
8025	5049... 5050	Status.NamurStates.FailAlarmComp1	DWord	RO	NamurFailure alarms that are component1 related
8026	5051... 5052	Status.NamurStates.OffSpecAlarm-Comp1	DWord	RO	Namur Off-spec alarms that are component1 related
8027	5053... 5054	Status.NamurStates.MaintRequAlarm-Comp1	DWord	RO	Namur MaintRequ alarms that are component1 related
8028	5055... 5056	Status.NamurStates.FctCheckAlarm-Comp1	DWord	RO	Namur FctCheck alarms that are component1 related
8029	5057... 5058	Status.NamurStates.FailAlarmComp2	DWord	RO	NamurFailure alarms that are component2 related
8030	5059... 5060	Status.NamurStates.OffSpecAlarm-Comp2	DWord	RO	Namur Off-spec alarms that are component2 related
8031	5061... 5062	Status.NamurStates.MaintRequAlarm-Comp2	DWord	RO	Namur MaintRequ alarms that are component2 related
8032	5063... 5064	Status.NamurStates.FctCheckAlarm-Comp2	DWord	RO	Namur FctCheck alarms that are component1 related
8033	5065... 5066	Status.NamurStates.FailAlarmComp3	DWord	RO	NamurFailure alarms that are component3 related
8034	5067... 5068	Status.NamurStates.OffSpecAlarm-Comp3	DWord	RO	Namur Off-spec alarms that are component3 related
8035	5069... 5070	Status.NamurStates.MaintRequAlarm-Comp3	DWord	RO	Namur MaintRequ alarms that are component3 related
8036	5071... 5072	Status.NamurStates.FctCheckAlarm-Comp3	DWord	RO	Namur FctCheck alarms that are component1 related

## 1.6 List of Parameters and Registers - Sorted by Daniel Registers

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
8037	5073... 5074	Status.NamurStates.FailAlarmComp4	DWord	RO	NamurFailure alarms that are component4 related
8038	5075... 5076	Status.NamurStates.OffSpecAlarm-Comp4	DWord	RO	Namur Off-spec alarms that are component4 related
8039	5077... 5078	Status.NamurStates.MaintRequAlarm-Comp4	DWord	RO	Namur MaintRequ alarms that are component4 related
8040	5079... 5080	Status.NamurStates.FctCheckAlarm-Comp4	DWord	RO	Namur FctCheck alarms that are component1 related
8041	5081... 5082	Status.NamurStates.FailAlarmComp5	DWord	RO	NamurFailure alarms that are component5 related
8042	5083... 5084	Status.NamurStates.OffSpecAlarm-Comp5	DWord	RO	Namur Off-spec alarms that are component5 related
8043	5085... 5086	Status.NamurStates.MaintRequAlarm-Comp5	DWord	RO	Namur MaintRequ alarms that are component5 related
8044	5087... 5088	Status.NamurStates.FctCheckAlarm-Comp5	DWord	RO	Namur FctCheck alarms that are component1 related
8091... 8095	5181... 5190	Status.DeviceStates.DeviceState	DWord	RO	device (N0) state bitfield (b0:.....)
8096... 8100	5191... 5200	Status.DeviceStates.ChannelState1	DWord	RO	component1's state bitfield (b0:.....)
8101... 8105	5201... 5210	Status.DeviceStates.ChannelState2	DWord	RO	component2's state bitfield (b0:.....)
8106... 8110	5211... 5220	Status.DeviceStates.ChannelState3	DWord	RO	component3's state bitfield (b0:.....)
8111... 8115	5221... 5230	Status.DeviceStates.ChannelState4	DWord	RO	component4's state bitfield (b0:.....)
8116... 8120	5231... 5240	Status.DeviceStates.ChannelState5	DWord	RO	component5's state bitfield (b0:.....)
8121... 8125	5241... 5250	Service.Status.DeviceStates.Dvc-StateInhibit	DWord	R/W	Inhibit for device (N0) state bitfield (b0:.....)
8126... 8130	5251... 5260	Service.Status.DeviceStates.ChStateInhibit1	DWord	R/W	Inhibit for comp1's state bitfield (b0:.....)
8131... 8135	5261... 5270	Service.Status.DeviceStates.ChStateInhibit2	DWord	R/W	Inhibit for comp2's state bitfield (b0:.....)
8136... 8140	5271... 5280	Service.Status.DeviceStates.ChStateInhibit3	DWord	R/W	Inhibit for comp3's state bitfield (b0:.....)
8141... 8145	5281... 5290	Service.Status.DeviceStates.ChStateInhibit4	DWord	R/W	Inhibit for comp4's state bitfield (b0:.....)
8146... 8150	5291... 5300	Service.Status.DeviceStates.ChStateInhibit5	DWord	R/W	Inhibit for comp5's state bitfield (b0:.....)
8151... 8155	5301... 5310	Service.Status.DeviceStates.DvcStateForce	DWord	R/W	Forcing for device (N0) state bitfield (b0:.....)
8156... 8160	5311... 5320	Service.Status.DeviceStates.ChStateForce1	DWord	R/W	Forcing for comp1's state bitfield (b0:.....)
8161... 8165	5321... 5330	Service.Status.DeviceStates.ChStateForce2	DWord	R/W	Forcing for comp2's state bitfield (b0:.....)
8166... 8170	5331... 5340	Service.Status.DeviceStates.ChStateForce3	DWord	R/W	Forcing for comp3's state bitfield (b0:.....)

**1.6 List of Parameters and Registers - Sorted by Daniel Registers**

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
8171... 8175	5341... 5350	Service.Status.DeviceStates.ChState-Force4	DWord	R/W	Forcing for comp4's state bitfield (b0:.....)
8176... 8180	5351... 5360	Service.Status.DeviceStates.ChState-Force5	DWord	R/W	Forcing for comp5's state bitfield (b0:.....)
8181	5361... 5362	Status.IO.ValveState	DWord	RO	Valve state bitfield (b0=V1, b1=V2, ....b19=V20)
8201	5401... 5402	Status.Validation.ZeroValidDeviation-Time1	DWord	RO	curr. range zero valid deviation epoch time stamp of comp1
8202	5403... 5404	Status.Validation.SpanValidDeviation-Time1	DWord	RO	curr. range span valid deviation epoch time stamp of comp1
8203	5405... 5406	Status.Calibration.ZeroCalDeviation-Time1	DWord	RO	curr. range zero cal deviation epoch time stamp of comp1
8204	5407... 5408	Status.Calibration.SpanCalDeviation-Time1	DWord	RO	curr. range span cal deviation epoch time stamp of comp1
8205	5409... 5410	Status.Validation.ZeroValidDeviation-Time2	DWord	RO	curr. range zero valid deviation epoch time stamp of comp2
8206	5411... 5412	Status.Validation.SpanValidDeviation-Time2	DWord	RO	curr. range span valid deviation epoch time stamp of comp2
8207	5413... 5414	Status.Calibration.ZeroCalDeviation-Time2	DWord	RO	curr. range zero cal deviation epoch time stamp of comp2
8208	5415... 5416	Status.Calibration.SpanCalDeviation-Time2	DWord	RO	curr. range span cal deviation epoch time stamp of comp2
8209	5417... 5418	Status.Validation.ZeroValidDeviation-Time3	DWord	RO	curr. range zero valid deviation epoch time stamp of comp3
8210	5419... 5420	Status.Validation.SpanValidDeviation-Time3	DWord	RO	curr. range span valid deviation epoch time stamp of comp3
8211	5421... 5422	Status.Calibration.ZeroCalDeviation-Time3	DWord	RO	curr. range zero cal deviation epoch time stamp of comp3
8212	5423... 5424	Status.Calibration.SpanCalDeviation-Time3	DWord	RO	curr. range span cal deviation epoch time stamp of comp3
8213	5425... 5426	Status.Validation.ZeroValidDeviation-Time4	DWord	RO	curr. range zero valid deviation epoch time stamp of comp4
8214	5427... 5428	Status.Validation.SpanValidDeviation-Time4	DWord	RO	curr. range span valid deviation epoch time stamp of comp4
8215	5429... 5430	Status.Calibration.ZeroCalDeviation-Time4	DWord	RO	curr. range zero cal deviation epoch time stamp of comp4
8216	5431... 5432	Status.Calibration.SpanCalDeviation-Time4	DWord	RO	curr. range span cal deviation epoch time stamp of comp4
8217	5433... 5434	Status.Validation.ZeroValidDeviation-Time5	DWord	RO	curr. range zero valid deviation epoch time stamp of comp5
8218	5435... 5436	Status.Validation.SpanValidDeviation-Time5	DWord	RO	curr. range span valid deviation epoch time stamp of comp5
8219	5437... 5438	Status.Calibration.ZeroCalDeviation-Time5	DWord	RO	curr. range zero cal deviation epoch time stamp of comp5
8220	5439... 5440	Status.Calibration.SpanCalDeviation-Time5	DWord	RO	curr. range span cal deviation epoch time stamp of comp5
8221... 8224	5441... 5448	Status.Validation.ZeroValidDeviatTime-Ranges1	DWord	RO	range1..4 zero valid deviation epoch time stamp of comp1

## 1.6 List of Parameters and Registers - Sorted by Daniel Registers

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
8225... 8228	5449... 5456	Status.Validation.ZeroValidDeviatTime-Ranges2	DWord	RO	range1..4 zero valid deviation epoch time stamp of comp2
8229... 8232	5457... 5464	Status.Validation.ZeroValidDeviatTime-Ranges3	DWord	RO	range1..4 zero valid deviation epoch time stamp of comp3
8233... 8236	5465... 5472	Status.Validation.ZeroValidDeviatTime-Ranges4	DWord	RO	range1..4 zero valid deviation epoch time stamp of comp4
8237... 8240	5473... 5480	Status.Validation.ZeroValidDeviatTime-Ranges5	DWord	RO	range1..4 zero valid deviation epoch time stamp of comp5
8241... 8244	5481... 5488	Status.Validation.SpanValidDeviatTime-Ranges1	DWord	RO	range1..4 span valid deviation epoch time stamp of comp1
8245... 8248	5489... 5496	Status.Validation.SpanValidDeviatTime-Ranges2	DWord	RO	range1..4 span valid deviation epoch time stamp of comp2
8249... 8252	5497... 5504	Status.Validation.SpanValidDeviatTime-Ranges3	DWord	RO	range1..4 span valid deviation epoch time stamp of comp3
8253... 8256	5505... 5512	Status.Validation.SpanValidDeviatTime-Ranges4	DWord	RO	range1..4 span valid deviation epoch time stamp of comp4
8257... 8260	5513... 5520	Status.Validation.SpanValidDeviatTime-Ranges5	DWord	RO	range1..4 span valid deviation epoch time stamp of comp5
8261... 8264	5521... 5528	Status.Calibration.ZeroCalDeviatTime-Ranges1	DWord	RO	range1..4 zero cal deviation epoch time stamp of comp1
8265... 8268	5529... 5536	Status.Calibration.ZeroCalDeviatTime-Ranges2	DWord	RO	range1..4 zero cal deviation epoch time stamp of comp2
8269... 8272	5537... 5544	Status.Calibration.ZeroCalDeviatTime-Ranges3	DWord	RO	range1..4 zero cal deviation epoch time stamp of comp3
8273... 8276	5545... 5552	Status.Calibration.ZeroCalDeviatTime-Ranges4	DWord	RO	range1..4 zero cal deviation epoch time stamp of comp4
8277... 8280	5553... 5560	Status.Calibration.ZeroCalDeviatTime-Ranges5	DWord	RO	range1..4 zero cal deviation epoch time stamp of comp5
8281... 8284	5561... 5568	Status.Calibration.SpanCalDeviatTime-Ranges1	DWord	RO	range1..4 span cal deviation epoch time stamp of comp1
8285... 8288	5569... 5576	Status.Calibration.SpanCalDeviatTime-Ranges2	DWord	RO	range1..4 span cal deviation epoch time stamp of comp2
8289... 8292	5577... 5584	Status.Calibration.SpanCalDeviatTime-Ranges3	DWord	RO	range1..4 span cal deviation epoch time stamp of comp3
8293... 8296	5585... 5592	Status.Calibration.SpanCalDeviatTime-Ranges4	DWord	RO	range1..4 span cal deviation epoch time stamp of comp4
8297... 8300	5593... 5600	Status.Calibration.SpanCalDeviatTime-Ranges5	DWord	RO	range1..4 span cal deviation epoch time stamp of comp5
9001	6001... 6002	PV1	Float	RO	Primary Variable 1 (Concentration in ppm)
9002	6003... 6004	PV2	Float	RO	Primary Variable 2 (Concentration in ppm)
9003	6005... 6006	PV3	Float	RO	Primary Variable 3 (Concentration in ppm)
9004	6007... 6008	PV4	Float	RO	Primary Variable 4 (Concentration in ppm)
9005	6009... 6010	PV5	Float	RO	Primary Variable 5 (Concentration in ppm)



**1.6 List of Parameters and Registers - Sorted by Daniel Registers**

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
9006	6011... 6012	Service.Measurement.Simulation.PVARawValue1	Float	RO	value for rawPVA of comp1
9006	6011... 6012	Status.Diagnostics.RawQuotConce1	Float	RO	raw ADC quotient of component1
9007	6013... 6014	Service.Measurement.Simulation.PVARawValue2	Float	RO	value for rawPVA of comp2
9007	6013... 6014	Status.Diagnostics.RawQuotConce2	Float	RO	raw ADC quotient of component2
9008	6015... 6016	Service.Measurement.Simulation.PVARawValue3	Float	RO	value for rawPVA of comp3
9008	6015... 6016	Status.Diagnostics.RawQuotConce3	Float	RO	raw ADC quotient of component3
9009	6017... 6018	Service.Measurement.Simulation.PVARawValue4	Float	RO	value for rawPVA of comp4
9009	6017... 6018	Status.Diagnostics.RawQuotConce4	Float	RO	raw ADC quotient of component4
9010	6019... 6020	Service.Measurement.Simulation.PVARawValue5	Float	RO	value for rawPVA of comp5
9010	6019... 6020	Status.Diagnostics.RawQuotConce5	Float	RO	raw ADC quotient of component4
9011	6021... 6022	Status.Diagnostics.RawMeasConce1	Float	RO	raw ADC of measure-side component1
9012	6023... 6024	Status.Diagnostics.RawRefConce1	Float	RO	raw ADC of reference side component1
9013	6025... 6026	Status.Diagnostics.RawMeasConce2	Float	RO	raw ADC of measure-side component2
9014	6027... 6028	Status.Diagnostics.RawRefConce2	Float	RO	raw ADC of reference side component2
9015	6029... 6030	Status.Diagnostics.RawMeasConce3	Float	RO	raw ADC of measure-side component3
9016	6031... 6032	Status.Diagnostics.RawRefConce3	Float	RO	raw ADC of reference side component3
9017	6033... 6034	Status.Diagnostics.RawMeasConce4	Float	RO	raw ADC of measure-side component4
9018	6035... 6036	Status.Diagnostics.RawRefConce4	Float	RO	raw ADC of reference side component4
9019	6037... 6038	Status.Diagnostics.RawMeasConce5	Float	RO	raw ADC of measure-side component5
9020	6039... 6040	Status.Diagnostics.RawRefConce5	Float	RO	raw ADC of reference side component5
9021	6041... 6042	Setup.Measurement.StartOfCurrentRange_1	Float	R/W	start of current range of comp1
9022	6043... 6044	Setup.Measurement.EndOfCurrentRange_1	Float	R/W	end of current range of comp1
9023	6045... 6046	Setup.Measurement.StartOfCurrentRange_2	Float	R/W	start of current range of comp2
9024	6047... 6048	Setup.Measurement.EndOfCurrentRange_2	Float	R/W	end of current range of comp2

## 1.6 List of Parameters and Registers - Sorted by Daniel Registers

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
9025	6049... 6050	Setup.Measurement.StartOfCurrentRange_3	Float	R/W	start of current range of comp3
9026	6051... 6052	Setup.Measurement.EndOfCurrentRange_3	Float	R/W	end of current range of comp3
9027	6053... 6054	Setup.Measurement.StartOfCurrentRange_4	Float	R/W	start of current range of comp4
9028	6055... 6056	Setup.Measurement.EndOfCurrentRange_4	Float	R/W	end of current range of comp4
9029	6057... 6058	Setup.Measurement.StartOfCurrentRange_5	Float	R/W	start of current range of comp5
9030	6059... 6060	Setup.Measurement.EndOfCurrentRange_5	Float	R/W	end of current range of comp5
9031	6061... 6062	Status.Pressure1	Float	RO	pressure of comp1
9032	6063... 6064	Status.Pressure2	Float	RO	pressure of comp2
9033	6065... 6066	Status.Pressure3	Float	RO	pressure of comp3
9034	6067... 6068	Status.Pressure4	Float	RO	pressure of comp4
9035	6069... 6070	Status.Pressure5	Float	RO	pressure of comp5
9036	6071... 6072	Status.Flow1	Float	RO	flow of comp1
9037	6073... 6074	Status.Flow2	Float	RO	flow of comp2
9038	6075... 6076	Status.Flow3	Float	RO	flow of comp3
9039	6077... 6078	Status.Flow4	Float	RO	flow of comp4
9040	6079... 6080	Status.Flow5	Float	RO	flow of comp5
9041	6081... 6082	Status.Temperature1	Float	RO	temperature of comp1
9042	6083... 6084	Status.Temperature2	Float	RO	temperature of comp2
9043	6085... 6086	Status.Temperature3	Float	RO	temperature of comp3
9044	6087... 6088	Status.Temperature4	Float	RO	temperature of comp4
9045	6089... 6090	Status.Temperature5	Float	RO	temperature of comp5
9046	6091... 6092	Status.CalcResultA	Float	RO	Result of calculator A
9047	6093... 6094	Status.CalcResultB	Float	RO	Result of calculator B
9048	6095... 6096	Status.CalcResultC	Float	RO	Result of calculator C

**1.6 List of Parameters and Registers - Sorted by Daniel Registers**

Address		Tag Name	Data Type	Client Access	Description
<b>Daniel</b>	<b>Modicon</b>				
9049	6097... 6098	Status.CalcResultD	Float	RO	Result of calculator D
9051	6101... 6102	Setup.Calibration.CurrentZerogas1	Float	R/W	current zero gas of comp1
9052	6103... 6104	Setup.Calibration.CurrentZerogas2	Float	R/W	current zero gas of comp2
9053	6105... 6106	Setup.Calibration.CurrentZerogas3	Float	R/W	current zero gas of comp3
9054	6107... 6108	Setup.Calibration.CurrentZerogas4	Float	R/W	current zero gas of comp4
9055	6109... 6110	Setup.Calibration.CurrentZerogas5	Float	R/W	current zero gas of comp5
9056	6111... 6112	Setup.Calibration.CurrentSpangas1	Float	R/W	current span gas of comp1
9057	6113... 6114	Setup.Calibration.CurrentSpangas2	Float	R/W	current span gas of comp2
9058	6115... 6116	Setup.Calibration.CurrentSpangas3	Float	R/W	current span gas of comp3
9059	6117... 6118	Setup.Calibration.CurrentSpangas4	Float	R/W	current span gas of comp4
9060	6119... 6120	Setup.Calibration.CurrentSpangas5	Float	R/W	current span gas of comp5
9061	6121... 6122	Setup.Measurement.Pressure.Manual-Pressure_1	Float	R/W	Manual Pressure of comp1 [Pa]
9062	6123... 6124	Setup.Measurement.Pressure.Manual-Pressure_2	Float	R/W	Manual Pressure of comp2 [Pa]
9063	6125... 6126	Setup.Measurement.Pressure.Manual-Pressure_3	Float	R/W	Manual Pressure of comp3 [Pa]
9064	6127... 6128	Setup.Measurement.Pressure.Manual-Pressure_4	Float	R/W	Manual Pressure of comp4 [Pa]
9065	6129... 6130	Setup.Measurement.Pressure.Manual-Pressure_5	Float	R/W	Manual Pressure of comp5 [Pa]
9071	6141... 6142	Setup.Measurement.StartOfRange1_1	Float	R/W	start of range1 of comp1
9072	6143... 6144	Setup.Measurement.EndOfRange1_1	Float	R/W	end of range1 of comp1
9073	6145... 6146	Setup.Measurement.StartOfRange2_1	Float	R/W	start of range2 of comp1
9074	6147... 6148	Setup.Measurement.EndOfRange2_1	Float	R/W	end of range2 of comp1
9075	6149... 6150	Setup.Measurement.StartOfRange3_1	Float	R/W	start of range3 of comp1
9076	6151... 6152	Setup.Measurement.EndOfRange3_1	Float	R/W	end of range3 of comp1
9077	6153... 6154	Setup.Measurement.StartOfRange4_1	Float	R/W	start of range4 of comp1
9078	6155... 6156	Setup.Measurement.EndOfRange4_1	Float	R/W	end of range4 of comp1

## 1.6 List of Parameters and Registers - Sorted by Daniel Registers

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
9079	6157... 6158	Setup.Measurement.StartOfRange1_2	Float	R/W	start of range1 of comp2
9080	6159... 6160	Setup.Measurement.EndOfRange1_2	Float	R/W	end of range1 of comp2
9081	6161... 6162	Setup.Measurement.StartOfRange2_2	Float	R/W	start of range2 of comp2
9082	6163... 6164	Setup.Measurement.EndOfRange2_2	Float	R/W	end of range2 of comp2
9083	6165... 6166	Setup.Measurement.StartOfRange3_2	Float	R/W	start of range3 of comp2
9084	6167... 6168	Setup.Measurement.EndOfRange3_2	Float	R/W	end of range3 of comp2
9085	6169... 6170	Setup.Measurement.StartOfRange4_2	Float	R/W	start of range4 of comp2
9086	6171... 6172	Setup.Measurement.EndOfRange4_2	Float	R/W	end of range4 of comp2
9087	6173... 6174	Setup.Measurement.StartOfRange1_3	Float	R/W	start of range1 of comp3
9088	6175... 6176	Setup.Measurement.EndOfRange1_3	Float	R/W	end of range1 of comp3
9089	6177... 6178	Setup.Measurement.StartOfRange2_3	Float	R/W	start of range2 of comp3
9090	6179... 6180	Setup.Measurement.EndOfRange2_3	Float	R/W	end of range2 of comp3
9091	6181... 6182	Setup.Measurement.StartOfRange3_3	Float	R/W	start of range3 of comp3
9092	6183... 6184	Setup.Measurement.EndOfRange3_3	Float	R/W	end of range3 of comp3
9093	6185... 6186	Setup.Measurement.StartOfRange4_3	Float	R/W	start of range4 of comp3
9094	6187... 6188	Setup.Measurement.EndOfRange4_3	Float	R/W	end of range4 of comp3
9095	6189... 6190	Setup.Measurement.StartOfRange1_4	Float	R/W	start of range1 of comp4
9096	6191... 6192	Setup.Measurement.EndOfRange1_4	Float	R/W	end of range1 of comp4
9097	6193... 6194	Setup.Measurement.StartOfRange2_4	Float	R/W	start of range2 of comp4
9098	6195... 6196	Setup.Measurement.EndOfRange2_4	Float	R/W	end of range2 of comp4
9099	6197... 6198	Setup.Measurement.StartOfRange3_4	Float	R/W	start of range3 of comp4
9100	6199... 6200	Setup.Measurement.EndOfRange3_4	Float	R/W	end of range3 of comp4
9101	6201... 6202	Setup.Measurement.StartOfRange4_4	Float	R/W	start of range4 of comp4
9102	6203... 6204	Setup.Measurement.EndOfRange4_4	Float	R/W	end of range4 of comp4

**1.6 List of Parameters and Registers - Sorted by Daniel Registers**

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
9103	6205... 6206	Setup.Measurement.StartOfRange1_5	Float	R/W	start of range1 of comp5
9104	6207... 6208	Setup.Measurement.EndOfRange1_5	Float	R/W	end of range1 of comp5
9105	6209... 6210	Setup.Measurement.StartOfRange2_5	Float	R/W	start of range2 of comp5
9106	6211... 6212	Setup.Measurement.EndOfRange2_5	Float	R/W	end of range2 of comp5
9107	6213... 6214	Setup.Measurement.StartOfRange3_5	Float	R/W	start of range3 of comp5
9108	6215... 6216	Setup.Measurement.EndOfRange3_5	Float	R/W	end of range3 of comp5
9109	6217... 6218	Setup.Measurement.StartOfRange4_5	Float	R/W	start of range4 of comp5
9110	6219... 6220	Setup.Measurement.EndOfRange4_5	Float	R/W	end of range4 of comp5
9111	6221... 6222	Setup.Calibration.Range1Zerogas1	Float	R/W	zero gas of range1 of comp1
9112	6223... 6224	Setup.Calibration.Range2Zerogas1	Float	R/W	zero gas of range2 of comp1
9113	6225... 6226	Setup.Calibration.Range3Zerogas1	Float	R/W	zero gas of range3 of comp1
9114	6227... 6228	Setup.Calibration.Range4Zerogas1	Float	R/W	zero gas of range4 of comp1
9115	6229... 6230	Setup.Calibration.Range1Zerogas2	Float	R/W	zero gas of range1 of comp2
9116	6231... 6232	Setup.Calibration.Range2Zerogas2	Float	R/W	zero gas of range2 of comp2
9117	6233... 6234	Setup.Calibration.Range3Zerogas2	Float	R/W	zero gas of range3 of comp2
9118	6235... 6236	Setup.Calibration.Range4Zerogas2	Float	R/W	zero gas of range4 of comp2
9119	6237... 6238	Setup.Calibration.Range1Zerogas3	Float	R/W	zero gas of range1 of comp3
9120	6239... 6240	Setup.Calibration.Range2Zerogas3	Float	R/W	zero gas of range2 of comp3
9121	6241... 6242	Setup.Calibration.Range3Zerogas3	Float	R/W	zero gas of range3 of comp3
9122	6243... 6244	Setup.Calibration.Range4Zerogas3	Float	R/W	zero gas of range4 of comp3
9123	6245... 6246	Setup.Calibration.Range1Zerogas4	Float	R/W	zero gas of range1 of comp4
9124	6247... 6248	Setup.Calibration.Range2Zerogas4	Float	R/W	zero gas of range2 of comp4
9125	6249... 6250	Setup.Calibration.Range3Zerogas4	Float	R/W	zero gas of range3 of comp4

## 1.6 List of Parameters and Registers - Sorted by Daniel Registers

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
9126	6251... 6252	Setup.Calibration.Range4Zerogas4	Float	R/W	zero gas of range4 of comp4
9127	6253... 6254	Setup.Calibration.Range1Zerogas5	Float	R/W	zero gas of range1 of comp5
9128	6255... 6256	Setup.Calibration.Range2Zerogas5	Float	R/W	zero gas of range2 of comp5
9129	6257... 6258	Setup.Calibration.Range3Zerogas5	Float	R/W	zero gas of range3 of comp5
9130	6259... 6260	Setup.Calibration.Range4Zerogas5	Float	R/W	zero gas of range4 of comp5
9131	6261... 6262	Setup.Calibration.Range1Spangas1	Float	R/W	span gas of range1 of comp1
9132	6263... 6264	Setup.Calibration.Range2Spangas1	Float	R/W	span gas of range2 of comp1
9133	6265... 6266	Setup.Calibration.Range3Spangas1	Float	R/W	span gas of range3 of comp1
9134	6267... 6268	Setup.Calibration.Range4Spangas1	Float	R/W	span gas of range4 of comp1
9135	6269... 6270	Setup.Calibration.Range1Spangas2	Float	R/W	span gas of range1 of comp2
9136	6271... 6272	Setup.Calibration.Range2Spangas2	Float	R/W	span gas of range2 of comp2
9137	6273... 6274	Setup.Calibration.Range3Spangas2	Float	R/W	span gas of range3 of comp2
9138	6275... 6276	Setup.Calibration.Range4Spangas2	Float	R/W	span gas of range4 of comp2
9139	6277... 6278	Setup.Calibration.Range1Spangas3	Float	R/W	span gas of range1 of comp3
9140	6279... 6280	Setup.Calibration.Range2Spangas3	Float	R/W	span gas of range2 of comp3
9141	6281... 6282	Setup.Calibration.Range3Spangas3	Float	R/W	span gas of range3 of comp3
9142	6283... 6284	Setup.Calibration.Range4Spangas3	Float	R/W	span gas of range4 of comp3
9143	6285... 6286	Setup.Calibration.Range1Spangas4	Float	R/W	span gas of range1 of comp4
9144	6287... 6288	Setup.Calibration.Range2Spangas4	Float	R/W	span gas of range2 of comp4
9145	6289... 6290	Setup.Calibration.Range3Spangas4	Float	R/W	span gas of range3 of comp4
9146	6291... 6292	Setup.Calibration.Range4Spangas4	Float	R/W	span gas of range4 of comp4
9147	6293... 6294	Setup.Calibration.Range1Spangas5	Float	R/W	span gas of range1 of comp5

**1.6 List of Parameters and Registers - Sorted by Daniel Registers**

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
9148	6295... 6296	Setup.Calibration.Range2Spangas5	Float	R/W	span gas of range2 of comp5
9149	6297... 6298	Setup.Calibration.Range3Spangas5	Float	R/W	span gas of range3 of comp5
9150	6299... 6300	Setup.Calibration.Range4Spangas5	Float	R/W	span gas of range4 of comp5
9151	6301... 6302	Setup.Display.Component.PV_UnitFactor1	Float	R/W	factor to convert ppm into displayed custom unit1
9152	6303... 6304	Setup.Display.Component.PV_UnitOffset1	Float	R/W	offset to convert ppm into displayed custom unit1
9153	6305... 6306	Setup.Display.Component.PV_UnitFactor2	Float	R/W	factor to convert ppm into displayed custom unit2
9154	6307... 6308	Setup.Display.Component.PV_UnitOffset2	Float	R/W	offset to convert ppm into displayed custom unit2
9155	6309... 6310	Setup.Display.Component.PV_UnitFactor3	Float	R/W	factor to convert ppm into displayed custom unit3
9156	6311... 6312	Setup.Display.Component.PV_UnitOffset3	Float	R/W	offset to convert ppm into displayed custom unit3
9157	6313... 6314	Setup.Display.Component.PV_UnitFactor4	Float	R/W	factor to convert ppm into displayed custom unit4
9158	6315... 6316	Setup.Display.Component.PV_UnitOffset4	Float	R/W	offset to convert ppm into displayed custom unit4
9159	6317... 6318	Setup.Display.Component.PV_UnitFactor5	Float	R/W	factor to convert ppm into displayed custom unit5
9160	6319... 6320	Setup.Display.Component.PV_UnitOffset5	Float	R/W	offset to convert ppm into displayed custom unit5
9161	6321... 6322	Service.Measurement.AbsMinRange1	Float	R/W	absolute minimum range of comp 1
9162	6323... 6324	Service.Measurement.AbsMaxRange 1	Float	R/W	absolute maximum range of comp 1
9163	6325... 6326	Service.Measurement.AbsMinRange2	Float	R/W	absolute minimum range of comp2
9164	6327... 6328	Service.Measurement.AbsMaxRange2	Float	R/W	absolute maximum range of comp2
9165	6329... 6330	Service.Measurement.AbsMinRange3	Float	R/W	absolute minimum range of comp3
9166	6331... 6332	Service.Measurement.AbsMaxRange3	Float	R/W	absolute maximum range of comp3
9167	6333... 6334	Service.Measurement.AbsMinRange4	Float	R/W	absolute minimum range of comp4
9168	6335... 6336	Service.Measurement.AbsMaxRange4	Float	R/W	absolute maximum range of comp4
9169	6337... 6338	Service.Measurement.AbsMinRange5	Float	R/W	absolute minimum range of comp5

## 1.6 List of Parameters and Registers - Sorted by Daniel Registers

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
9170	6339... 6340	Service.Measurement.AbsMaxRange5	Float	R/W	absolute maximum range of comp5
9171... 9178	6341... 6356	Service.Measurement.Simulation.XSPMuxValue1	Float	RO	values for XSP's multiplexer value1..8
9171	6341... 6342	Status.Diagnostics.DSPMuxValue1	Float	RO	DSP multiplexer value 1
9172	6343... 6344	Status.Diagnostics.DSPMuxValue2	Float	RO	DSP multiplexer value 2
9173	6345... 6346	Status.Diagnostics.DSPMuxValue3	Float	RO	DSP multiplexer value 3
9174	6347... 6348	Status.Diagnostics.DSPMuxValue4	Float	RO	DSP multiplexer value 4
9175	6349... 6350	Status.Diagnostics.DSPMuxValue5	Float	RO	DSP multiplexer value 5
9176	6351... 6352	Status.Diagnostics.DSPMuxValue6	Float	RO	DSP multiplexer value 6
9177	6353... 6354	Status.Diagnostics.DSPMuxValue7	Float	RO	DSP multiplexer value 7
9178	6355... 6356	Status.Diagnostics.DSPMuxValue8	Float	RO	DSP multiplexer value 8
9181	6361... 6362	Setup.In/Outputs.AO.StartRange1	Float	R/W	level where analoge output scaling starts on output1
9182	6363... 6364	Setup.In/Outputs.AO.EndRange1	Float	R/W	level where analoge output scaling ends on output1
9183	6365... 6366	Setup.In/Outputs.AO.AdjustStart1	Float	R/W	fine adjustment for start range of output1
9184	6367... 6368	Setup.In/Outputs.AO.AdjustEnd1	Float	R/W	fine adjustment for end range of output1
9185	6369... 6370	Setup.In/Outputs.AO.StartRange2	Float	R/W	level where analoge output scaling starts on output2
9186	6371... 6372	Setup.In/Outputs.AO.EndRange2	Float	R/W	level where analoge output scaling ends on output2
9187	6373... 6374	Setup.In/Outputs.AO.AdjustStart2	Float	R/W	fine adjustment for start range of output2
9188	6375... 6376	Setup.In/Outputs.AO.AdjustEnd2	Float	R/W	fine adjustment for end range of output2
9189	6377... 6378	Setup.In/Outputs.AO.StartRange3	Float	R/W	level where analoge output scaling starts on output3
9190	6379... 6380	Setup.In/Outputs.AO.EndRange3	Float	R/W	level where analoge output scaling ends on output3
9191	6381... 6382	Setup.In/Outputs.AO.AdjustStart3	Float	R/W	fine adjustment for start range of output3
9192	6383... 6384	Setup.In/Outputs.AO.AdjustEnd3	Float	R/W	fine adjustment for end range of output3



**1.6 List of Parameters and Registers - Sorted by Daniel Registers**

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
9193	6385... 6386	Setup.In/Outputs.AO.StartRange4	Float	R/W	level where analoge output scaling starts on output4
9194	6387... 6388	Setup.In/Outputs.AO.EndRange4	Float	R/W	level where analoge output scaling ends on output4
9195	6389... 6390	Setup.In/Outputs.AO.AdjustStart4	Float	R/W	fine adjustment for start range of output4
9196	6391... 6392	Setup.In/Outputs.AO.AdjustEnd4	Float	R/W	fine adjustment for end range of output4
9197	6393... 6394	Setup.In/Outputs.AO.StartRange5	Float	R/W	level where analoge output scaling starts on output5
9198	6395... 6396	Setup.In/Outputs.AO.EndRange5	Float	R/W	level where analoge output scaling ends on output5
9199	6397... 6398	Setup.In/Outputs.AO.AdjustStart5	Float	R/W	fine adjustment for start range of output5
9200	6399... 6400	Setup.In/Outputs.AO.AdjustEnd5	Float	R/W	fine adjustment for end range of output5
9201... 9204	6401... 6408	Service.Measurement.Compensation.ToffCoeffs1	Float	R/W	polynom coeffs for temperature offset of comp1
9205... 9208	6409... 6416	Service.Measurement.Compensation.ToffCoeffs2	Float	R/W	polynom coeffs for temperature offset of comp2
9209... 9212	6417... 6424	Service.Measurement.Compensation.ToffCoeffs3	Float	R/W	polynom coeffs for temperature offset of comp3
9213... 9216	6425... 6432	Service.Measurement.Compensation.ToffCoeffs4	Float	R/W	polynom coeffs for temperature offset of comp4
9217... 9220	6433... 6440	Service.Measurement.Compensation.ToffCoeffs5	Float	R/W	polynom coeffs for temperature offset of comp5
9221... 9224	6441... 6448	Service.Measurement.Compensation.TfactCoeffs1	Float	R/W	polynom coeffs for temperature factor of comp1
9225... 9228	6449... 6456	Service.Measurement.Compensation.TfactCoeffs2	Float	R/W	polynom coeffs for temperature factor of comp2
9229... 9232	6457... 6464	Service.Measurement.Compensation.TfactCoeffs3	Float	R/W	polynom coeffs for temperature factor of comp3
9233... 9236	6465... 6472	Service.Measurement.Compensation.TfactCoeffs4	Float	R/W	polynom coeffs for temperature factor of comp4
9237... 9240	6473... 6480	Service.Measurement.Compensation.TfactCoeffs5	Float	R/W	polynom coeffs for temperature factor of comp5
9241... 9244	6481... 6488	Service.Measurement.Compensation.TfactConcCoeffs1	Float	R/W	polynom coeffs for conc correction of temp factor comp1
9245... 9248	6489... 6496	Service.Measurement.Compensation.TfactConcCoeffs2	Float	R/W	polynom coeffs for conc correction of temp factor comp2
9249... 9252	6497... 6504	Service.Measurement.Compensation.TfactConcCoeffs3	Float	R/W	polynom coeffs for conc correction of temp factor comp3
9253... 9256	6505... 6512	Service.Measurement.Compensation.TfactConcCoeffs4	Float	R/W	polynom coeffs for conc correction of temp factor comp4

## 1.6 List of Parameters and Registers - Sorted by Daniel Registers

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
9257... 9260	6513... 6520	Service.Measurement.Compensation.TfactConcCoeffs5	Float	R/W	polynom coeffs for conc correction of temp factor comp5
9261	6521... 6522	Service.Measurement.Compensation.ToffTemperature1	Float	RO	temperature for zero compensation of comp1
9262	6523... 6524	Service.Measurement.Compensation.ToffTemperature2	Float	RO	temperature for zero compensation of comp2
9263	6525... 6526	Service.Measurement.Compensation.ToffTemperature3	Float	RO	temperature for zero compensation of comp3
9264	6527... 6528	Service.Measurement.Compensation.ToffTemperature4	Float	RO	temperature for zero compensation of comp4
9265	6529... 6530	Service.Measurement.Compensation.ToffTemperature5	Float	RO	temperature for zero compensation of comp5
9266	6531... 6532	Service.Measurement.Compensation.TfactTemperature1	Float	RO	temperature for span compensation of comp1
9267	6533... 6534	Service.Measurement.Compensation.TfactTemperature2	Float	RO	temperature for span compensation of comp2
9268	6535... 6536	Service.Measurement.Compensation.TfactTemperature3	Float	RO	temperature for span compensation of comp3
9269	6537... 6538	Service.Measurement.Compensation.TfactTemperature4	Float	RO	temperature for span compensation of comp4
9270	6539... 6540	Service.Measurement.Compensation.TfactTemperature5	Float	RO	temperature for span compensation of comp5
9271... 9274	6541... 6548	Service.Measurement.Compensation.PfactCoeffs1	Float	R/W	polynom coeffs for pressure factor of comp1
9275... 9278	6549... 6556	Service.Measurement.Compensation.PfactCoeffs2	Float	R/W	polynom coeffs for pressure factor of comp2
9279... 9282	6557... 6564	Service.Measurement.Compensation.PfactCoeffs3	Float	R/W	polynom coeffs for pressure factor of comp3
9283... 9286	6565... 6572	Service.Measurement.Compensation.PfactCoeffs4	Float	R/W	polynom coeffs for pressure factor of comp4
9287... 9290	6573... 6580	Service.Measurement.Compensation.PfactCoeffs5	Float	R/W	polynom coeffs for pressure factor of comp5
9291	6581... 6582	Setup.In/Outputs.AO.LowCutOff1	Float	R/W	lower cut off (mA) for analog output1
9292	6583... 6584	Setup.In/Outputs.AO.HighCutOff1	Float	R/W	higher cut off (mA) for analog output1
9293	6585... 6586	Setup.In/Outputs.AO.LowCutOff2	Float	R/W	lower cut off (mA) for analog output2
9294	6587... 6588	Setup.In/Outputs.AO.HighCutOff2	Float	R/W	higher cut off (mA) for analog output2
9295	6589... 6590	Setup.In/Outputs.AO.LowCutOff3	Float	R/W	lower cut off (mA) for analog output3
9296	6591... 6592	Setup.In/Outputs.AO.HighCutOff3	Float	R/W	higher cut off (mA) for analog output2

**1.6 List of Parameters and Registers - Sorted by Daniel Registers**

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
9297	6593... 6594	Setup.In/Outputs.AO.LowCutOff4	Float	R/W	lower cut off (mA) for analog output4
9298	6595... 6596	Setup.In/Outputs.AO.HighCutOff4	Float	R/W	higher cut off (mA) for analog output4
9299	6597... 6598	Setup.In/Outputs.AO.LowCutOff5	Float	R/W	lower cut off (mA) for analog output5
9300	6599... 6600	Setup.In/Outputs.AO.HighCutOff5	Float	R/W	higher cut off (mA) for analog output5
9301... 9304	6601... 6608	Setup.Measurement.XIntf.SignalValues1	Float	RO	Cross interfere signal values1..4 for comp1
9305... 9308	6609... 6616	Setup.Measurement.XIntf.InterfereFactors1	Float	R/W	Cross interfere factors1..4 for comp1
9309... 9312	6617... 6624	Setup.Measurement.XIntf.LinearReferences1	Float	R/W	Cross interfere linearization references1..4 for comp1
9313... 9316	6625... 6632	Setup.Measurement.XIntf.LinearPolyCoeffs1	Float	R/W	Cross interfere linearization references1..4 for comp1
9331... 9334	6661... 6668	Setup.Measurement.XIntf.SignalValues2	Float	RO	Cross interfere signal values1..4 for comp2
9335... 9338	6669... 6676	Setup.Measurement.XIntf.InterfereFactors2	Float	R/W	Cross interfere factors1..4 for comp2
9339... 9342	6677... 6684	Setup.Measurement.XIntf.LinearReferences2	Float	R/W	Cross interfere linearization references1..4 for comp2
9343... 9346	6685... 6692	Setup.Measurement.XIntf.LinearPolyCoeffs2	Float	R/W	Cross interfere linearization references1..4 for comp2
9361... 9364	6721... 6728	Setup.Measurement.XIntf.SignalValues3	Float	RO	Cross interfere signal values1..4 for comp3
9365... 9368	6729... 6736	Setup.Measurement.XIntf.InterfereFactors3	Float	R/W	Cross interfere factors1..4 for comp3
9369... 9372	6737... 6744	Setup.Measurement.XIntf.LinearReferences3	Float	R/W	Cross interfere linearization references1..4 for comp3
9373... 9376	6745... 6752	Setup.Measurement.XIntf.LinearPolyCoeffs3	Float	R/W	Cross interfere linearization references1..4 for comp3
9391... 9394	6781... 6788	Setup.Measurement.XIntf.SignalValues4	Float	RO	Cross interfere signal values1..4 for comp4
9395... 9398	6789... 6796	Setup.Measurement.XIntf.InterfereFactors4	Float	R/W	Cross interfere factors1..4 for comp4
9399... 9402	6797... 6804	Setup.Measurement.XIntf.LinearReferences4	Float	R/W	Cross interfere linearization references1..4 for comp4
9403... 9406	6805... 6812	Setup.Measurement.XIntf.LinearPolyCoeffs4	Float	R/W	Cross interfere linearization references1..4 for comp4
9421... 9424	6841... 6848	Setup.Measurement.XIntf.SignalValues5	Float	RO	Cross interfere signal values1..4 for comp5
9425... 9428	6849... 6856	Setup.Measurement.XIntf.InterfereFactors5	Float	R/W	Cross interfere factors1..4 for comp5

## 1.6 List of Parameters and Registers - Sorted by Daniel Registers

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
9429... 9432	6857... 6864	Setup.Measurement.XIntf.LinearReferences5	Float	R/W	Cross interfere linearization references1..4 for comp5
9433... 9436	6865... 6872	Setup.Measurement.XIntf.LinearPoly-Coeffs5	Float	R/W	Cross interfere linearization references1..4 for comp5
9451	6901... 6902	Status.Diagnostics.AfterZeroCal1	Float	RO	after zerocal value component1
9452	6903... 6904	Status.Diagnostics.ZeroCorrTemp1	Float	RO	temp zero corr component1
9453	6905... 6906	Status.Diagnostics.TemperatureZero1	Float	RO	Temperature for zero corr component1
9454	6907... 6908	Status.Diagnostics.BeforeLinConce1	Float	RO	before linear. conc comp1
9455	6909... 6910	Status.Diagnostics.AfterLinConce1	Float	RO	after linear. conc component1
9456	6911... 6912	Status.Diagnostics.SpanCorrTemp1	Float	RO	Temp span corr component1
9457	6913... 6914	Status.Diagnostics.SpanCorrPress1	Float	RO	Pressure span corr component1
9458	6915... 6916	Status.Diagnostics.AfterZeroCal2	Float	RO	after zerocal value component2
9459	6917... 6918	Status.Diagnostics.ZeroCorrTemp2	Float	RO	temp zero corr component2
9460	6919... 6920	Status.Diagnostics.TemperatureZero2	Float	RO	Temperature for zero corr component2
9461	6921... 6922	Status.Diagnostics.BeforeLinConce2	Float	RO	before linear. conc comp2
9462	6923... 6924	Status.Diagnostics.AfterLinConce2	Float	RO	after linear. conc component2
9463	6925... 6926	Status.Diagnostics.SpanCorrTemp2	Float	RO	Temp span corr component2
9464	6927... 6928	Status.Diagnostics.SpanCorrPress2	Float	RO	Pressure span corr component2
9465	6929... 6930	Status.Diagnostics.AfterZeroCal3	Float	RO	after zerocal value component3
9466	6931... 6932	Status.Diagnostics.ZeroCorrTemp3	Float	RO	temp zero corr component3
9467	6933... 6934	Status.Diagnostics.TemperatureZero3	Float	RO	Temperature for zero corr component3
9468	6935... 6936	Status.Diagnostics.BeforeLinConce3	Float	RO	before linear. conc comp3
9469	6937... 6938	Status.Diagnostics.AfterLinConce3	Float	RO	after linear. conc component3
9470	6939... 6940	Status.Diagnostics.SpanCorrTemp3	Float	RO	Temp span corr component3

**1.6 List of Parameters and Registers - Sorted by Daniel Registers**

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
9471	6941... 6942	Status.Diagnostics.SpanCorrPress3	Float	RO	Pressure span corr component3
9472	6943... 6944	Status.Diagnostics.AfterZeroCal4	Float	RO	after zerocal value component4
9473	6945... 6946	Status.Diagnostics.ZeroCorrTemp4	Float	RO	temp zero corr component4
9474	6947... 6948	Status.Diagnostics.TemperatureZero4	Float	RO	Temperature for zero corr component4
9475	6949... 6950	Status.Diagnostics.BeforeLinConce4	Float	RO	before linear. conc comp4
9476	6951... 6952	Status.Diagnostics.AfterLinConce4	Float	RO	after linear. conc component4
9477	6953... 6954	Status.Diagnostics.SpanCorrTemp4	Float	RO	Temp span corr component4
9478	6955... 6956	Status.Diagnostics.SpanCorrPress4	Float	RO	Pressure span corr component4
9479	6957... 6958	Status.Diagnostics.AfterZeroCal5	Float	RO	after zerocal value component5
9480	6959... 6960	Status.Diagnostics.ZeroCorrTemp5	Float	RO	temp zero corr component5
9481	6961... 6962	Status.Diagnostics.TemperatureZero5	Float	RO	Temperature for zero corr component5
9482	6963... 6964	Status.Diagnostics.BeforeLinConce5	Float	RO	before linear. conc comp5
9483	6965... 6966	Status.Diagnostics.AfterLinConce5	Float	RO	after linear. conc component5
9484	6967... 6968	Status.Diagnostics.SpanCorrTemp5	Float	RO	Temp span corr component5
9486	6971... 6972	Service.Measurement.Simulation.SimP- VARawValue1	Float	R/W	simulation value for rawPVA of comp1
9486	6971... 6972	Status.Diagnostics.SpanCorrPress5	Float	RO	Pressure span corr component5
9487	6973... 6974	Service.Measurement.Simulation.SimP- VARawValue2	Float	R/W	simulation value for rawPVA of comp2
9488	6975... 6976	Service.Measurement.Simulation.SimP- VARawValue3	Float	R/W	simulation value for rawPVA of comp3
9489	6977... 6978	Service.Measurement.Simulation.SimP- VARawValue4	Float	R/W	simulation value for rawPVA of comp4
9490	6979... 6980	Service.Measurement.Simulation.SimP- VARawValue5	Float	R/W	simulation value for rawPVA of comp5
9491... 9498	6981... 6996	Service.Measurement.Simulation.SimX- SPMuxValue1	Float	R/W	simulation value for XSP's multiplexer value1..8
9501... 9503	7001... 7006	Service.Measurement.Lin.TableXVa- lues1	Float	R/W	Linearization table X-Values of comp1

## 1.6 List of Parameters and Registers - Sorted by Daniel Registers

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
9531... 9533	7061... 7066	Service.Measurement.Lin.TableYValues1	Float	R/W	Linearization table Y-Values of comp1
9561... 9565	7121... 7130	Service.Measurement.Lin.Set1Coeffs1	Float	R/W	Lin-Polynom. Set1-Coeffs (A0..4) for comp1
9566... 9570	7131... 7140	Service.Measurement.Lin.Set2Coeffs1	Float	R/W	Lin-Polynom. Set2-Coeffs (A0..4) for comp1
9571... 9575	7141... 7150	Service.Measurement.Lin.Set3Coeffs1	Float	R/W	Lin-Polynom. Set3-Coeffs (A0..4) for comp1
9576... 9580	7151... 7160	Service.Measurement.Lin.Set4Coeffs1	Float	R/W	Lin-Polynom. Set4-Coeffs (A0..4) for comp1
9581... 9584	7161... 7168	Service.Measurement.Lin.OverflowPerc1	Float	R/W	Lin-Overflow [%] for Range1..4 of comp1
9585... 9588	7169... 7176	Service.Measurement.Lin.UnderflowPerc1	Float	R/W	Lin-Underflow [%] for Range1..4 of comp1
9591	7181... 7182	Service.Measurement.Lin.MinValue1	Float	RO	Linearizer Minimum Value of comp1
9592	7183... 7184	Service.Measurement.Lin.MaxValue1	Float	RO	Linearizer Maximum Value of comp1
9593	7185... 7186	Service.Measurement.Lin.CutOff1	Float	R/W	Linearizer Cut-off value of comp1
9597... 9600	7193... 7200	Service.Measurement.Lin.RefValPolySets1	Float	R/W	Reference value for PolynSets (P1..P4) of comp1
9601... 9603	7201... 7206	Service.Measurement.Lin.TableXValues2	Float	R/W	Linearization table X-Values of comp2
9631... 9633	7261... 7266	Service.Measurement.Lin.TableYValues2	Float	R/W	Linearization table Y-Values of comp2
9661... 9665	7321... 7330	Service.Measurement.Lin.Set1Coeffs2	Float	R/W	Lin-Polynom. Set1-Coeffs (A0..4) for comp2
9666... 9670	7331... 7340	Service.Measurement.Lin.Set2Coeffs2	Float	R/W	Lin-Polynom. Set2-Coeffs (A0..4) for comp2
9671... 9675	7341... 7350	Service.Measurement.Lin.Set3Coeffs2	Float	R/W	Lin-Polynom. Set3-Coeffs (A0..4) for comp2
9676... 9680	7351... 7360	Service.Measurement.Lin.Set4Coeffs2	Float	R/W	Lin-Polynom. Set4-Coeffs (A0..4) for comp2
9681... 9684	7361... 7368	Service.Measurement.Lin.OverflowPerc2	Float	R/W	Lin-Overflow [%] for Range1..4 of comp2
9685... 9688	7369... 7376	Service.Measurement.Lin.UnderflowPerc2	Float	R/W	Lin-Underflow [%] for Range1..4 of comp2
9691	7381... 7382	Service.Measurement.Lin.MinValue2	Float	RO	Linearizer Minimum Value of comp2
9692	7383... 7384	Service.Measurement.Lin.MaxValue2	Float	RO	Linearizer Maximum Value of comp2
9693	7385... 7386	Service.Measurement.Lin.CutOff2	Float	R/W	Linearizer Cut-off value of comp1

**1.6 List of Parameters and Registers - Sorted by Daniel Registers**

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
9697... 9700	7393... 7400	Service.Measurement.Lin.RefValPoly-Sets2	Float	R/W	Reference value for PolynSets (P1..P4) of comp2
9701... 9703	7401... 7406	Service.Measurement.Lin.TableXV-values3	Float	R/W	Linearization table X-Values of comp3
9731... 9733	7461... 7466	Service.Measurement.Lin.TableYV-values3	Float	R/W	Linearization table Y-Values of comp3
9761... 9765	7521... 7530	Service.Measurement.Lin.Set1Coeffs3	Float	R/W	Lin-Polynomial. Set1-Coeffs (A0..4) for comp3
9766... 9770	7531... 7540	Service.Measurement.Lin.Set2Coeffs3	Float	R/W	Lin-Polynomial. Set2-Coeffs (A0..4) for comp3
9771... 9775	7541... 7550	Service.Measurement.Lin.Set3Coeffs3	Float	R/W	Lin-Polynomial. Set3-Coeffs (A0..4) for comp3
9776... 9780	7551... 7560	Service.Measurement.Lin.Set4Coeffs3	Float	R/W	Lin-Polynomial. Set4-Coeffs (A0..4) for comp3
9781... 9784	7561... 7568	Service.Measurement.Lin.Overflow-Perc3	Float	R/W	Lin-Overflow [%] for Range1..4 of comp3
9785... 9788	7569... 7576	Service.Measurement.Lin.Underflow-Perc3	Float	R/W	Lin-Underflow [%] for Range1..4 of comp3
9791	7581... 7582	Service.Measurement.Lin.MinValue3	Float	RO	Linearizer Minimum Value of comp3
9792	7583... 7584	Service.Measurement.Lin.MaxValue3	Float	RO	Linearizer Maximum Value of comp3
9793	7585... 7586	Service.Measurement.Lin.CutOff3	Float	R/W	Linearizer Cut-off value of comp1
9797... 9800	7593... 7600	Service.Measurement.Lin.RefValPoly-Sets3	Float	R/W	Reference value for PolynSets (P1..P4) of comp3
9801... 9803	7601... 7606	Service.Measurement.Lin.TableXV-values4	Float	R/W	Linearization table X-Values of comp4
9831... 9833	7661... 7666	Service.Measurement.Lin.TableYV-values4	Float	R/W	Linearization table Y-Values of comp4
9861... 9865	7721... 7730	Service.Measurement.Lin.Set1Coeffs4	Float	R/W	Lin-Polynomial. Set1-Coeffs (A0..4) for comp4
9866... 9870	7731... 7740	Service.Measurement.Lin.Set2Coeffs4	Float	R/W	Lin-Polynomial. Set2-Coeffs (A0..4) for comp4
9871... 9875	7741... 7750	Service.Measurement.Lin.Set3Coeffs4	Float	R/W	Lin-Polynomial. Set3-Coeffs (A0..4) for comp4
9876... 9880	7751... 7760	Service.Measurement.Lin.Set4Coeffs4	Float	R/W	Lin-Polynomial. Set4-Coeffs (A0..4) for comp4
9881... 9884	7761... 7768	Service.Measurement.Lin.Overflow-Perc4	Float	R/W	Lin-Overflow [%] for Range1..4 of comp4
9885... 9888	7769... 7776	Service.Measurement.Lin.Underflow-Perc4	Float	R/W	Lin-Underflow [%] for Range1..4 of comp4
9891	7781... 7782	Service.Measurement.Lin.MinValue4	Float	RO	Linearizer Minimum Value of comp4

## 1.6 List of Parameters and Registers - Sorted by Daniel Registers

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
9892	7783... 7784	Service.Measurement.Lin.MaxValue4	Float	RO	Linearizer Maximum Value of comp4
9893	7785... 7786	Service.Measurement.Lin.CutOff4	Float	R/W	Linearizer Cut-off value of comp1
9897... 9900	7793... 7800	Service.Measurement.Lin.RefValPoly-Sets4	Float	R/W	Reference value for PolynSets (P1..P4) of comp4
9901... 9903	7801... 7806	Service.Measurement.Lin.TableXValues5	Float	R/W	Linearization table X-Values of comp5
9931... 9933	7861... 7866	Service.Measurement.Lin.TableYValues5	Float	R/W	Linearization table Y-Values of comp5
9961... 9965	7921... 7930	Service.Measurement.Lin.Set1Coeffs5	Float	R/W	Lin-Polynom. Set1-Coeffs (A0..4) for comp5
9966... 9970	7931... 7940	Service.Measurement.Lin.Set2Coeffs5	Float	R/W	Lin-Polynom. Set2-Coeffs (A0..4) for comp5
9971... 9975	7941... 7950	Service.Measurement.Lin.Set3Coeffs5	Float	R/W	Lin-Polynom. Set3-Coeffs (A0..4) for comp5
9976... 9980	7951... 7960	Service.Measurement.Lin.Set4Coeffs5	Float	R/W	Lin-Polynom. Set4-Coeffs (A0..4) for comp5
9981... 9984	7961... 7968	Service.Measurement.Lin.OverflowPerc5	Float	R/W	Lin-Overflow [%] for Range1..4 of comp5
9985... 9988	7969... 7976	Service.Measurement.Lin.UnderflowPerc5	Float	R/W	Lin-Underflow [%] for Range1..4 of comp5
9991	7981... 7982	Service.Measurement.Lin.MinValue5	Float	RO	Linearizer Minimum Value of comp5
9992	7983... 7984	Service.Measurement.Lin.MaxValue5	Float	RO	Linearizer Maximum Value of comp5
9993	7985... 7986	Service.Measurement.Lin.CutOff5	Float	R/W	Linearizer Cut-off value of comp1
9997... 10000	7993... 8000	Service.Measurement.Lin.RefValPoly-Sets5	Float	R/W	Reference value for PolynSets (P1..P4) of comp5
10001	16001... 16002	Setup.Calibration.ZeroCalTolerance1	Float	R/W	zero cal tolerance in % of comp1
10002	16003... 16004	Setup.Calibration.ZeroCalTolerance2	Float	R/W	zero cal tolerance in % of comp2
10003	16005... 16006	Setup.Calibration.ZeroCalTolerance3	Float	R/W	zero cal tolerance in % of comp3
10004	16007... 16008	Setup.Calibration.ZeroCalTolerance4	Float	R/W	zero cal tolerance in % of comp4
10005	16009... 16010	Setup.Calibration.ZeroCalTolerance5	Float	R/W	zero cal tolerance in % of comp5
10006	16011... 16012	Setup.Calibration.SpanCalTolerance1	Float	R/W	span cal tolerance in % of comp1
10007	16013... 16014	Setup.Calibration.SpanCalTolerance2	Float	R/W	span cal tolerance in % of comp2



**1.6 List of Parameters and Registers - Sorted by Daniel Registers**

Address		Tag Name	Data Type	Client Access	Description
<b>Daniel</b>	<b>Modicon</b>				
10008	16015... 16016	Setup.Calibration.SpanCalTolerance3	Float	R/W	span cal tolerance in % of comp3
10009	16017... 16018	Setup.Calibration.SpanCalTolerance4	Float	R/W	span cal tolerance in % of comp4
10010	16019... 16020	Setup.Calibration.SpanCalTolerance5	Float	R/W	span cal tolerance in % of comp5
10011	16021... 16022	Status.Calibration.ZeroCalDeviation1	Float	RO	current range zero cal deviation of comp1
10012	16023... 16024	Status.Calibration.ZeroCalDeviation2	Float	RO	current range zero cal deviation of comp2
10013	16025... 16026	Status.Calibration.ZeroCalDeviation3	Float	RO	current range zero cal deviation of comp3
10014	16027... 16028	Status.Calibration.ZeroCalDeviation4	Float	RO	current range zero cal deviation of comp4
10015	16029... 16030	Status.Calibration.ZeroCalDeviation5	Float	RO	current range zero cal deviation of comp5
10016	16031... 16032	Status.Calibration.SpanCalDeviation1	Float	RO	current range span cal deviation of comp1
10017	16033... 16034	Status.Calibration.SpanCalDeviation2	Float	RO	current range span cal deviation of comp2
10018	16035... 16036	Status.Calibration.SpanCalDeviation3	Float	RO	current range span cal deviation of comp3
10019	16037... 16038	Status.Calibration.SpanCalDeviation4	Float	RO	current range span cal deviation of comp4
10020	16039... 16040	Status.Calibration.SpanCalDeviation5	Float	RO	current range span cal deviation of comp5
10021	16041... 16042	Status.Calibration.ZeroCalDeviationSum1	Float	RO	current range zero cal deviation sum of comp1
10022	16043... 16044	Status.Calibration.ZeroCalDeviationSum2	Float	RO	current range zero cal deviation sum of comp2
10023	16045... 16046	Status.Calibration.ZeroCalDeviationSum3	Float	RO	current range zero cal deviation sum of comp3
10024	16047... 16048	Status.Calibration.ZeroCalDeviationSum4	Float	RO	current range zero cal deviation sum of comp4
10025	16049... 16050	Status.Calibration.ZeroCalDeviationSum5	Float	RO	current range zero cal deviation sum of comp5
10026	16051... 16052	Status.Calibration.SpanCalDeviationSum1	Float	RO	current range span cal deviation sum of comp1
10027	16053... 16054	Status.Calibration.SpanCalDeviationSum2	Float	RO	current range span cal deviation sum of comp2
10028	16055... 16056	Status.Calibration.SpanCalDeviationSum3	Float	RO	current range span cal deviation sum of comp3
10029	16057... 16058	Status.Calibration.SpanCalDeviationSum4	Float	RO	current range span cal deviation sum of comp4

## 1.6 List of Parameters and Registers - Sorted by Daniel Registers

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
10030	16059... 16060	Status.Calibration.SpanCalDeviationSum5	Float	RO	current range span cal deviation sum of comp5
10031	16061... 16062	Setup.Validation.ZeroValidTolerance1	Float	R/W	zero validation tolerance in % of comp1
10032	16063... 16064	Setup.Validation.ZeroValidTolerance2	Float	R/W	zero validation tolerance in % of comp2
10033	16065... 16066	Setup.Validation.ZeroValidTolerance3	Float	R/W	zero validation tolerance in % of comp3
10034	16067... 16068	Setup.Validation.ZeroValidTolerance4	Float	R/W	zero validation tolerance in % of comp4
10035	16069... 16070	Setup.Validation.ZeroValidTolerance5	Float	R/W	zero validation tolerance in % of comp5
10036	16071... 16072	Setup.Validation.SpanValidTolerance1	Float	R/W	span validation tolerance in % of comp1
10037	16073... 16074	Setup.Validation.SpanValidTolerance2	Float	R/W	span validation tolerance in % of comp2
10038	16075... 16076	Setup.Validation.SpanValidTolerance3	Float	R/W	span validation tolerance in % of comp3
10039	16077... 16078	Setup.Validation.SpanValidTolerance4	Float	R/W	span validation tolerance in % of comp4
10040	16079... 16080	Setup.Validation.SpanValidTolerance5	Float	R/W	span validation tolerance in % of comp5
10041	16081... 16082	Status.Validation.ZeroValidDeviation1	Float	RO	current range zero validation deviation of comp1
10042	16083... 16084	Status.Validation.ZeroValidDeviation2	Float	RO	current range zero validation deviation of comp2
10043	16085... 16086	Status.Validation.ZeroValidDeviation3	Float	RO	current range zero validation deviation of comp3
10044	16087... 16088	Status.Validation.ZeroValidDeviation4	Float	RO	current range zero validation deviation of comp4
10045	16089... 16090	Status.Validation.ZeroValidDeviation5	Float	RO	current range zero validation deviation of comp5
10046	16091... 16092	Status.Validation.SpanValidDeviation1	Float	RO	current range span validation deviation of comp1
10047	16093... 16094	Status.Validation.SpanValidDeviation2	Float	RO	current range span validation deviation of comp2
10048	16095... 16096	Status.Validation.SpanValidDeviation3	Float	RO	current range span validation deviation of comp3
10049	16097... 16098	Status.Validation.SpanValidDeviation4	Float	RO	current range span validation deviation of comp4
10050	16099... 16100	Status.Validation.SpanValidDeviation5	Float	RO	current range span validation deviation of comp5
10051	16101... 16102	Status.Average1	Float	RO	average of comp1

**1.6 List of Parameters and Registers - Sorted by Daniel Registers**

Address		Tag Name	Data Type	Client Access	Description
<b>Daniel</b>	<b>Modicon</b>				
10052	16103... 16104	Status.Average2	Float	RO	average of comp2
10053	16105... 16106	Status.Average3	Float	RO	average of comp3
10054	16107... 16108	Status.Average4	Float	RO	average of comp4
10055	16109... 16110	Status.Average5	Float	RO	average of comp5
10056	16111... 16112	Status.MinPeak1	Float	RO	minimum peak of comp 1
10057	16113... 16114	Status.MinPeak2	Float	RO	minimum peak of comp2
10058	16115... 16116	Status.MinPeak3	Float	RO	minimum peak of comp3
10059	16117... 16118	Status.MinPeak4	Float	RO	minimum peak of comp4
10060	16119... 16120	Status.MinPeak5	Float	RO	minimum peak of comp5
10061	16121... 16122	Status.MaxPeak1	Float	RO	maximum peak of comp1
10062	16123... 16124	Status.MaxPeak2	Float	RO	maximum peak of comp2
10063	16125... 16126	Status.MaxPeak3	Float	RO	maximum peak of comp3
10064	16127... 16128	Status.MaxPeak4	Float	RO	maximum peak of comp4
10065	16129... 16130	Status.MaxPeak5	Float	RO	maximum peak of comp5
10066	16131... 16132	Status.StdDeviation1	Float	RO	standard deviation of comp1
10067	16133... 16134	Status.StdDeviation2	Float	RO	standard deviation of comp2
10068	16135... 16136	Status.StdDeviation3	Float	RO	standard deviation of comp3
10069	16137... 16138	Status.StdDeviation4	Float	RO	standard deviation of comp4
10070	16139... 16140	Status.StdDeviation5	Float	RO	standard deviation of comp5
10071	16141... 16142	PV_LV1	Float	RO	Last valid Primary Variable 1 (Concentration in ppm)
10072	16143... 16144	PV_LV2	Float	RO	Last valid Primary Variable 2 (Concentration in ppm)
10073	16145... 16146	PV_LV3	Float	RO	Last valid Primary Variable 3 (Concentration in ppm)

## 1.6 List of Parameters and Registers - Sorted by Daniel Registers

Address		Tag Name	Data Type	Client Access	Description
Daniel	Modicon				
10074	16147... 16148	PV_LV4	Float	RO	Last valid Primary Variable 4 (Concentration in ppm)
10075	16149... 16150	PV_LV5	Float	RO	Last valid Primary Variable 5 (Concentration in ppm)
10101... 10104	16201... 16208	Status.Calibration.ZeroCalDeviatRanges1	Float	RO	range1..4 zero cal deviation of comp1
10105... 10108	16209... 16216	Status.Calibration.ZeroCalDeviatRanges2	Float	RO	range1..4 zero cal deviation of comp2
10109... 10112	16217... 16224	Status.Calibration.ZeroCalDeviatRanges3	Float	RO	range1..4 zero cal deviation of comp3
10113... 10116	16225... 16232	Status.Calibration.ZeroCalDeviatRanges4	Float	RO	range1..4 zero cal deviation of comp4
10117... 10120	16233... 16240	Status.Calibration.ZeroCalDeviatRanges5	Float	RO	range1..4 zero cal deviation of comp5
10121... 10124	16241... 16248	Status.Calibration.SpanCalDeviatRanges1	Float	RO	range1..4 span cal deviation of comp1
10125... 10128	16249... 16256	Status.Calibration.SpanCalDeviatRanges2	Float	RO	range1..4 span cal deviation of comp2
10129... 10132	16257... 16264	Status.Calibration.SpanCalDeviatRanges3	Float	RO	range1..4 span cal deviation of comp3
10133... 10136	16265... 16272	Status.Calibration.SpanCalDeviatRanges4	Float	RO	range1..4 span cal deviation of comp4
10137... 10140	16273... 16280	Status.Calibration.SpanCalDeviatRanges5	Float	RO	range1..4 span cal deviation of comp5
10141... 10144	16281... 16288	Status.Calibration.ZeroCalDeviatSumRanges1	Float	RO	range1..4 zero cal deviation sum of comp1
10145... 10148	16289... 16296	Status.Calibration.ZeroCalDeviatSumRanges2	Float	RO	range1..4 zero cal deviation sum of comp2
10149... 10152	16297... 16304	Status.Calibration.ZeroCalDeviatSumRanges3	Float	RO	range1..4 zero cal deviation sum of comp3
10153... 10156	16305... 16312	Status.Calibration.ZeroCalDeviatSumRanges4	Float	RO	range1..4 zero cal deviation sum of comp4
10157... 10160	16313... 16320	Status.Calibration.ZeroCalDeviatSumRanges5	Float	RO	range1..4 zero cal deviation sum of comp5
10161... 10164	16321... 16328	Status.Calibration.SpanCalDeviatSumRanges1	Float	RO	range1..4 span cal deviation sum of comp1
10165... 10168	16329... 16336	Status.Calibration.SpanCalDeviatSumRanges2	Float	RO	range1..4 span cal deviation sum of comp2
10169... 10172	16337... 16344	Status.Calibration.SpanCalDeviatSumRanges3	Float	RO	range1..4 span cal deviation sum of comp3
10173... 10176	16345... 16352	Status.Calibration.SpanCalDeviatSumRanges4	Float	RO	range1..4 span cal deviation sum of comp4
10177... 10180	16353... 16360	Status.Calibration.SpanCalDeviatSumRanges5	Float	RO	range1..4 span cal deviation sum of comp5

**1.6 List of Parameters and Registers - Sorted by Daniel Registers**

Address		Tag Name	Data Type	Client Access	Description
<b>Daniel</b>	<b>Modicon</b>				
10181... 10184	16361... 16368	Status.Validation.ZeroValidDeviatRanges1	Float	RO	range1..4 zero validation deviation of comp1
10185... 10188	16369... 16376	Status.Validation.ZeroValidDeviatRanges2	Float	RO	range1..4 zero validation deviation of comp2
10189... 10192	16377... 16384	Status.Validation.ZeroValidDeviatRanges3	Float	RO	range1..4 zero validation deviation of comp3
10193... 10196	16385... 16392	Status.Validation.ZeroValidDeviatRanges4	Float	RO	range1..4 zero validation deviation of comp4
10197... 10200	16393... 16400	Status.Validation.ZeroValidDeviatRanges5	Float	RO	range1..4 zero validation deviation of comp5
10201... 10204	16401... 16408	Status.Validation.SpanValidDeviatRanges1	Float	RO	range1..4 span validation deviation of comp1
10205... 10208	16409... 16416	Status.Validation.SpanValidDeviatRanges2	Float	RO	range1..4 span validation deviation of comp2
10209... 10212	16417... 16424	Status.Validation.SpanValidDeviatRanges3	Float	RO	range1..4 span validation deviation of comp3
10213... 10216	16425... 16432	Status.Validation.SpanValidDeviatRanges4	Float	RO	range1..4 span validation deviation of comp4
10217... 10220	16433... 16440	Status.Validation.SpanValidDeviatRanges5	Float	RO	range1..4 span validation deviation of comp5

**1.7 List of Bitfield States**

**1.7 List of Bitfield States**

<b>NamurState</b>		
Description	Bitfield-value whose single bits indicate any state according the NAMUR categories	
Modbus-Register	4001	16-Bit-Word
Bit0	Failure	
Bit1	Maintenance Request	
Bit2	Out of Specification	
Bit3	Function Check	

<b>NamurFailure (F)</b>		
Description	Bitfield-value whose single bits indicate certain states according NAMUR failure category; the provided acronym identifies what detailed states feed into this bit	
Modbus-Register (M)	5001..5002	32-Bit-LongWord
Modbus-Register (D)	8001	32-Bit-LongWord
Bit0	reserved	
...	reserved	
Bit13	Sensor Communication Failure	NAM_SENSOR_COMMUN
...	reserved	
Bit24	Flow Failure	NAM_FLOW_FAILURE
Bit25	Unspecific Failure	NAM_FAIL_UNSPECIF
...	reserved	
Bit29	Sensor Engine Failure	NAM_SENSOR_ENGINE
Bit30	Memory Failure	NAM_MEMORY_FAIL
Bit31	reserved	

<b>NamurOffSpec (S)</b>		
Description	Bitfield-value whose single bits indicate certain states according NAMUR out of specification category; the provided acronym identifies what detailed states feed into this bit	
Modbus-Register (M)	5003..5004	32-Bit-LongWord
Modbus-Register (D)	8002	32-Bit-LongWord
Bit0	reserved	
...	reserved	
Bit4	Primary Variable Clipped	NAM_PV_CLIPPED
Bit19	Unspecified Out of Specification	NAM_OSPEC_UNSPECIF
Bit21	Secondary Variable Compensation Failed	NAM_SV_COMPENSATION
Bit22	Environment Out Of Specified Range	NAM_ENVIRONMENT
Bit23	Measurement Range	NAM_MEASURE_RANGE
...	reserved	
Bit31	reserved	

<b>NamurMaint (M)</b>		
<b>Description</b>	<b>Bitfield-value whose single bits indicate certain states according NAMUR maintenance request category; the provided acronym identifies what detailed states feed into this bit</b>	
<b>Modbus-Register (M)</b>	<b>5005..5006</b>	<b>32-Bit-LongWord</b>
<b>Modbus-Register (D)</b>	<b>8003</b>	<b>32-Bit-LongWord</b>
Bit0	reserved	
...	reserved	
Bit8	Additional Memory Medium Failed	NAM_MEMORY_MEDIUM
Bit9	Optional Installed Feature Failed	NAM_OPTIONS_FAIL
Bit10	Flow Maintenance Alert	NAM_FLOW_ALARM
Bit11	Unspecific Maintenance Request	NAM_MAINT_UNSPECIF
Bit12	Sensor Unreliable	NAM_SNSR_UNRELIABLE
...	reserved	
Bit18	Requested Validation Not Done	NAM_VALID_NOTDONE
Bit19	reserved	
Bit20	Requested Calibration Not Done	NAM_CALIB_NOTDONE
Bit31	reserved	

<b>NamurFctCheck (C)</b>		
<b>Description</b>	<b>Bitfield-value whose single bits indicate certain states according NAMUR function check category; the provided acronym identifies what detailed states feed into this bit</b>	
<b>Modbus-Register (M)</b>	<b>5007..5008</b>	<b>32-Bit-LongWord</b>
<b>Modbus-Register (D)</b>	<b>8004</b>	<b>32-Bit-LongWord</b>
Bit0	Unspecified Function Check	NAM_FCHK_UNSPECIF
Bit1	Simulation Activated	NAM_SIMULATION
Bit2	Device Being Serviced	NAM_DEVICE_SERVICED
Bit3	Sample Not From Process	NAM_NOTFROM_PROCESS
Bit6	Startup Phase	NAM_STARTUP
...	reserved	
Bit31	reserved	
Bit31	reserved	

DeviceState		
<b>Description</b>	<b>Bitfield-value whose single bits indicate states that are not related to a certain channel. They can be source for certain NAMUR states and are marked then accordingly.</b>	
<b>Modbus-Register (M)</b>	<b>5181..5190</b>	<b>32-Bit-LongWord – Array[5]</b>
<b>Modbus-Register (D)</b>	<b>8091..8095</b>	<b>32-Bit-LongWord – Array[5]</b>
Bit 0	NAM_MEMORY_MEDIUM	USB: Free space warning
1	NAM_MEMORY_MEDIUM	USB mass memory full
2	NAM_OPTIONS_FAIL	Calculator program error
3	NAM_OPTIONS_FAIL	Calculator program error
4	NAM_OPTIONS_FAIL	PLC program error
5	NAM_OPTIONS_FAIL	E-Mail: Not sent
6	NAM_OPTIONS_FAIL	Data logger format changed
7	NAM_OPTIONS_FAIL	Can't open data logger file
8	NAM_OPTIONS_FAIL	Can't write to data logger file
9	NAM_MEMORY_FAIL	FATAL!! Configuration data destroyed
10	NAM_MEMORY_MEDIUM	FLASH write count over limit
11	NAM_MEMORY_MEDIUM	Config checksum error
12	NAM_MEMORY_MEDIUM	Config file open error
13	NAM_MEMORY_MEDIUM	Config file read error
14	NAM_MEMORY_MEDIUM	Config file write error
15	NAM_MEMORY_MEDIUM	Checksum error
16	NAM_MEMORY_MEDIUM	Factory file open error
17	NAM_MEMORY_MEDIUM	Factory file read error
18	NAM_MEMORY_MEDIUM	Factory file write error
19	NAM_MEMORY_MEDIUM	Cfg checksum error
20	NAM_MEMORY_MEDIUM	Cfg file open error
21	NAM_MEMORY_MEDIUM	Cfg file read error
22	NAM_MEMORY_MEDIUM	Cfg file write error
23	NAM_MEMORY_MEDIUM	FATAL: FRAM read/write error
24	NAM_MEMORY_MEDIUM	DISK free space warning
25	NAM_MEMORY_MEDIUM	DISK full
26	NAM_DEVICE_SERVICED	Device not in service
27	NAM_MAINT_UNSPECIF	Operation hours exceeded
28	NAM_NOTFROM_PROCESS	Zeroing started
29	NAM_NOTFROM_PROCESS	Spanning started
..		DO – NOT - APPLY
33	NAM_NOTFROM_PROCESS	SCAL zeroing
34	NAM_NOTFROM_PROCESS	SCAL spanning
35	NAM_NOTFROM_PROCESS	SCAL zeroing & spanning
36	NAM_NOTFROM_PROCESS	SCAL program sequence
37	NAM_NOTFROM_PROCESS	SCAL blowback
38	NAM_NOTFROM_PROCESS	SCAL test valve



<b>DeviceState</b>		
Description	<b>Bitfield-value whose single bits indicate states that are not related to a certain channel. They can be source for certain NAMUR states and are marked then accordingly.</b>	
<b>Modbus-Register (M)</b>	<b>5181..5190</b>	<b>32-Bit-LongWord – Array[5]</b>
<b>Modbus-Register (D)</b>	<b>8091..8095</b>	<b>32-Bit-LongWord – Array[5]</b>
..		DO – NOT - APPLY
41	NAM_SENSOR_ENGINE	Sensor communication timeout
42	NAM_SENSOR_COMMUN	Sensor CRC check
43	NAM_SNSR_UNRELIABLE	Sensor RESET
44	NAM_SENSOR_COMMUN	Sensor invalid message length
45	NAM_SENSOR_COMMUN	Sensor command buffer overflow
46	NAM_DEVICE_SERVICED	Sensor signal simulation
47	NAM_DEVICE_SERVICED	Secondary sensor signal simulation
48	NAM_SENSOR_ENGINE	Sensor failure
49	NAM_STARTUP	Warming up
..		DO – NOT – APPLY
53	NAM_FLOW_ALARM	External Flow Alarm
..		DO – NOT – APPLY
62	NAM_ENVIRONMENT	Device Shutdown
..		DO – NOT – APPLY
65	NAM_STARTUP	PAUSE Status
66	NAM_STARTUP	STANDBY Status
67	NAM_STARTUP	Startup Phase
68	NAM_PV_CLIPPED	Limitation Analog Output1
69	NAM_PV_CLIPPED	Limitation Analog Output2
70	NAM_PV_CLIPPED	Limitation Analog Output3
71	NAM_PV_CLIPPED	Limitation Analog Output4
72	NAM_PV_CLIPPED	Limitation Analog Output5
73	NAM_PV_CLIPPED	Limitation Analog Output6
74	NAM_PV_CLIPPED	Limitation Analog Output7
75	NAM_PV_CLIPPED	Limitation Analog Output8
76	NAM_FAIL_UNSPECIF	External Failure
77	NAM_MAINT_UNSPECIF	External MaintRequ
78	NAM_FCHK_UNSPECIF	External FctCheck
79	NAM_OSPEC_UNSPECIF	External OffSpec
..		DO – NOT – APPLY
82	NAM_SIMULATION	Input Simulation On XDIO 1
83	NAM_SIMULATION	Input Simulation On XDIO 2
84	NAM_SIMULATION	Input Simulation On XDIO 3
85	NAM_SIMULATION	Input Simulation On XDIO 4
...		DO – NOT – APPLY

<b>DeviceState</b>		
Description	<b>Bitfield-value whose single bits indicate states that are not related to a certain channel. They can be source for certain NAMUR states and are marked then accordingly.</b>	
Modbus-Register (M)	<b>5181..5190</b>	<b>32-Bit-LongWord – Array[5]</b>
Modbus-Register (D)	<b>8091..8095</b>	<b>32-Bit-LongWord – Array[5]</b>
88	NAM_OPTIONS_FAIL	XASI missing
89	NAM_OPTIONS_FAIL	XDIO1 missing @4
90	NAM_OPTIONS_FAIL	XDIO2 missing @5
91	NAM_OPTIONS_FAIL	XDIO3 missing @6
92	NAM_OPTIONS_FAIL	XDIO4 missing @7
93	NAM_MEMORY_MEDIUM	DISK uninstalled/missing
94	NAM_MEMORY_MEDIUM	DISK protected
...		DO – NOT – APPLY
112		Calculator A Low-Low
113		Calculator A Low
114		Calculator A High
115		Calculator A High-High
116		Calculator B Low-Low
117		Calculator B Low
118		Calculator B High
119		Calculator B High-High
120		Calculator C Low-Low
121		Calculator C Low
122		Calculator C High
123		Calculator C High-High
124		Calculator D Low-Low
125		Calculator D Low
126		Calculator D High
127		Calculator D High-High
128		Analog Input 1 Low-Low
129		Analog Input 1 Low
130		Analog Input 1 High
131		Analog Input 1 High-High
132		Analog Input 2 Low-Low
133		Analog Input 2 Low
134		Analog Input 2 High
135		Analog Input 2 High-High
...		DO – NOT – APPLY
143	NAM_NOTFROM_PROCESS	SCAL zero validation in progress
144	NAM_NOTFROM_PROCESS	SCAL zero validation in progress
145	NAM_NOTFROM_PROCESS	SCAL zero & span validation in progress

<b>DeviceState</b>		
Description	<b>Bitfield-value whose single bits indicate states that are not related to a certain channel. They can be source for certain NAMUR states and are marked then accordingly.</b>	
Modbus-Register (M)	5181..5190	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8091..8095	32-Bit-LongWord – Array[5]
...		DO – NOT – APPLY
148	NAM_OPTIONS_FAIL	DLOG: File Limit Warn
149	NAM_OPTIONS_FAIL	DLOG: File Limit Reached
...		DO – NOT – APPLY
159		DO – NOT – APPLY

<b>ChannelState1</b>		
Modbus-Register (M)	5191..5200	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8096..8100	32-Bit-LongWord – Array[5]
<b>ChannelState2</b>		
Modbus-Register (M)	5201..5210	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8101..8105	32-Bit-LongWord – Array[4]
<b>ChannelState3</b>		
Modbus-Register (M)	5211..5220	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8106..8110	32-Bit-LongWord – Array[5]
<b>ChannelState4</b>		
Modbus-Register (M)	5221..5230	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8111..8115	32-Bit-LongWord – Array[5]
<b>ChannelState5</b>		
Modbus-Register (M)	5231..5240	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8116..8120	32-Bit-LongWord – Array[5]
Description	<b>Bitfield-value whose single bits indicate states that are related to a certain channel (1..5). They can be source for certain NAMUR states and are identified by its acronym indicator then.</b>	
Bit 0		DO – NOT - APPLY
..		DO – NOT - APPLY
27	NAM_MAINT_UNSPECIF	Operation hours exceeded
28	NAM_NOTFROM_PROCESS	Zeroing started
29	NAM_NOTFROM_PROCESS	Spanning started
30	NAM_CALIB_NOTDONE	Tolerance check failed
31	NAM_CALIB_NOTDONE	Unstable measurement
32	NAM_NOTFROM_PROCESS	No sample gas

<b>ChannelState1</b>		
Modbus-Register (M)	5191..5200	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8096..8100	32-Bit-LongWord – Array[5]
<b>ChannelState2</b>		
Modbus-Register (M)	5201..5210	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8101..8105	32-Bit-LongWord – Array[4]
<b>ChannelState3</b>		
Modbus-Register (M)	5211..5220	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8106..8110	32-Bit-LongWord – Array[5]
<b>ChannelState4</b>		
Modbus-Register (M)	5221..5230	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8111..8115	32-Bit-LongWord – Array[5]
<b>ChannelState5</b>		
Modbus-Register (M)	5231..5240	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8116..8120	32-Bit-LongWord – Array[5]
Description	Bitfield-value whose single bits indicate states that are related to a certain channel (1..5). They can be source for certain NAMUR states and are identified by its acronym indicator then.	
..		DO – NOT - APPLY
37	NAM_NOTFROM_PROCESS	SCAL blowback
38	NAM_NOTFROM_PROCESS	SCAL test valve
39	NAM_MEASURE_RANGE	Range Overflow
40	NAM_MEASURE_RANGE	Range Underflow
41	NAM_SENSOR_ENGINE	Sensor communication timeout
42	NAM_SENSOR_COMMUN	Sensor CRC check
43	NAM_SNSR_UNRELIABLE	Sensor RESET
44	NAM_SENSOR_COMMUN	Sensor invalid message length
45	NAM_SENSOR_COMMUN	Sensor command buffer overflow
46	NAM_DEVICE_SERVICED	Sensor signal simulation
47	NAM_DEVICE_SERVICED	Secondary sensor signal simulation
48	NAM_SENSOR_ENGINE	Sensor failure
49	NAM_STARTUP	Warming up
50	NAM_SV_COMPENSATION	Sensor Temperature
51	NAM_FLOW_FAILURE	Sensor Flow
52	NAM_SV_COMPENSATION	Sensor Pressure
53	NAM_FLOW_ALARM	External Flow Alarm
54	NAM_SENSOR_ENGINE	Sensor Chopper
55	NAM_SENSOR_ENGINE	Sensor Detector
56	NAM_SENSOR_ENGINE	Sensor Source-
57	NAM_SENSOR_ENGINE	Sensor Source+
58	NAM_SENSOR_ENGINE	Sensor ADC

<b>ChannelState1</b>		
Modbus-Register (M)	5191..5200	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8096..8100	32-Bit-LongWord – Array[5]
<b>ChannelState2</b>		
Modbus-Register (M)	5201..5210	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8101..8105	32-Bit-LongWord – Array[4]
<b>ChannelState3</b>		
Modbus-Register (M)	5211..5220	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8106..8110	32-Bit-LongWord – Array[5]
<b>ChannelState4</b>		
Modbus-Register (M)	5221..5230	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8111..8115	32-Bit-LongWord – Array[5]
<b>ChannelState5</b>		
Modbus-Register (M)	5231..5240	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8116..8120	32-Bit-LongWord – Array[5]
Description	Bitfield-value whose single bits indicate states that are related to a certain channel (1..5). They can be source for certain NAMUR states and are identified by its acronym indicator then.	
59	NAM_PV_CLIPPED	Concentration is lower than limit
60	NAM_PV_CLIPPED	Concentration is higher than limit
61	NAM_SV_COMPENSATION	Invalid interference value
62	NAM_ENVIRONMENT	Device Shutdown
63	NAM_MEASURE_RANGE	Linearizer underflow
64	NAM_MEASURE_RANGE	Linearizer overflow
65	NAM_STARTUP	PAUSE Status
66	NAM_STARTUP	STANDBY Status
67	NAM_STARTUP	Startup Phase
...		DO – NOT - APPLY
76	NAM_FAIL_UNSPECIF	External Failure
77	NAM_MAINT_UNSPECIF	External MaintRequ
78	NAM_FCHK_UNSPECIF	External FctCheck
79	NAM_OSPEC_UNSPECIF	External OffSpec
80	obsolete	DO – NOT - APPLY
81	obsolete	DO – NOT - APPLY
...		DO – NOT - APPLY
86	NAM_CALIB_NOTDONE	GainOverRange
87	NAM_CALIB_NOTDONE	GainUnderRange
...		DO – NOT - APPLY

<b>ChannelState1</b>		
Modbus-Register (M)	5191..5200	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8096..8100	32-Bit-LongWord – Array[5]
<b>ChannelState2</b>		
Modbus-Register (M)	5201..5210	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8101..8105	32-Bit-LongWord – Array[4]
<b>ChannelState3</b>		
Modbus-Register (M)	5211..5220	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8106..8110	32-Bit-LongWord – Array[5]
<b>ChannelState4</b>		
Modbus-Register (M)	5221..5230	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8111..8115	32-Bit-LongWord – Array[5]
<b>ChannelState5</b>		
Modbus-Register (M)	5231..5240	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8116..8120	32-Bit-LongWord – Array[5]
Description	Bitfield-value whose single bits indicate states that are related to a certain channel (1..5). They can be source for certain NAMUR states and are identified by its acronym indicator then.	
96		Concentration Low-Low
97		Concentration Low
98		Concentration High
99		Concentration High-High
100	NAM_SV_COMPENSATION	Temperature Low-Low
101		Temperature Low
102		Temperature High
103	NAM_SV_COMPENSATION	Temperature High-High
104		Pressure Low-Low
105		Pressure Low
106		Pressure High
107		Pressure High-High
108	NAM_FLOW_FAILURE	Flow Low-Low
109	NAM_FLOW_ALARM	Flow Low
110	NAM_FLOW_ALARM	Flow High
111	NAM_FLOW_FAILURE	Flow High-High
...		DO – NOT - APPLY
136	NAM_CALIB_NOTDONE	ZeroSamplingFail
137	NAM_CALIB_NOTDONE	SpanSamplingFail
138	NAM_NOTFROM_PROCESS	Zero Validation in progress

<b>ChannelState1</b>		
Modbus-Register (M)	5191..5200	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8096..8100	32-Bit-LongWord – Array[5]
<b>ChannelState2</b>		
Modbus-Register (M)	5201..5210	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8101..8105	32-Bit-LongWord – Array[4]
<b>ChannelState3</b>		
Modbus-Register (M)	5211..5220	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8106..8110	32-Bit-LongWord – Array[5]
<b>ChannelState4</b>		
Modbus-Register (M)	5221..5230	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8111..8115	32-Bit-LongWord – Array[5]
<b>ChannelState5</b>		
Modbus-Register (M)	5231..5240	32-Bit-LongWord – Array[5]
Modbus-Register (D)	8116..8120	32-Bit-LongWord – Array[5]
Description	Bitfield-value whose single bits indicate states that are related to a certain channel (1..5). They can be source for certain NAMUR states and are identified by its acronym identifier then.	
139	NAM_NOTFROM_PROCESS	Span Validation in progress
140	NAM_VALID_NOTDONE	Zero Validation Tolerance failed
141	NAM_VALID_NOTDONE	Span Validation Tolerance failed
142	NAM_VALID_NOTDONE	Unstable measurement
...		DO – NOT - APPLY
146	NAM_VALID_NOTDONE	Sampling for Zero validation failed
147	NAM_VALID_NOTDONE	Sampling for Span validation failed
...		DO – NOT - APPLY
159		DO – NOT - APPLY

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