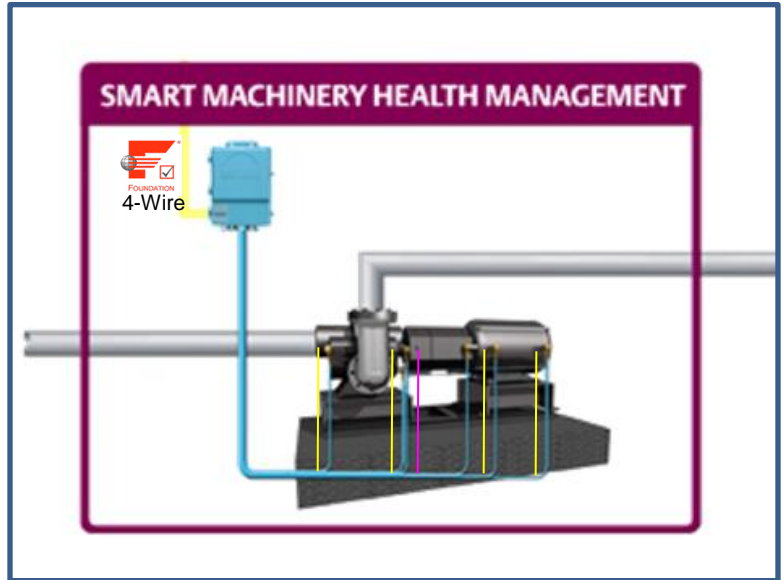


## Boiler Feedwater Pump Monitoring

- Complete Package Solution including:  
(1) Multi-Channel Machinery Health Transmitters, Each transmitter has (4 or 8) Dynamic Inputs for Accelerometers or Tachometers with mounting brackets or pads,  
(4) Temperature Inputs for Thermisters, Spot Facing Tool for mounting accelerometers,  
Startup Support for Transmitters, Gateway and DeltaV Integration



The Boiler Feedwater Pump Monitoring solution is an easy way to begin online, predictive, condition monitoring of a critical plant asset.

- Designed for 24/7 monitoring of a boiler feedwater pump with trending, and alarming of the mechanical conditions
- Easy to install close to the pumps, keeping the sensor wiring short and a single 4-wire foundation fieldbus cable for communication.
- Easily Integrates to DeltaV through Foundation Fieldbus

### Overview

As part of complete reliability program, the Boiler Feedwater Pump Monitoring solution is a cost effective way to have a flexible and comprehensive view and history of the condition of your boiler feedwater pumps.

The Novaspect solution packages together standard Emerson products including the 9210 Vibration Transmitter, Foundation Fieldbus components and Startup Engineering Services. The ease of setup and multi-input capability of this system is one-of-a-kind in the industry.

Each 9210 transmitter has four dynamic channels for tachometers or accelerometers. And four channels for -40 to 150 deg C thermisters. The parameters sent out from the 9210 include:

- Overall Vibration
- PeakVue (early bearing fault detection for roller element bearings)
- Speed
- Temperatures

Suggested Plant Software:  
AMS Suite: Intelligent Device Manager Ver. 10 and DeltaV Ver. 10

For more information contact your Novaspect Account Manager.

Ordering Information

Model	Description
Nova-9210	Boiler Feedwater Pump Vibration Monitoring System
Code Foundation Fieldbus Conditioner, Device Power Supply	
PS	Foundation Fieldbus Power Conditioner, 24 VDC Device Power Supply
Code Transmitter Dynamic Inputs	
04	Four Dynamic Inputs
08	Eight Dynamic Inputs
12	Twelve Dynamic Inputs
Code Accelerometer Quantity	
ACC0-12	Quantity of Accelerometers between 0 to 12
Code Accelerometers	
RI	Right Angle, Green Jacket, 1' mounting pad, 1/4-28
RAC	Right Angle, Armor Jacket w/ Teflon Coating, 1" mounting pad, 1/4-28
Code Tachometer	
TA	Magnetic Pickup Tachometer, std cable, Mounting Bracket
Code Thermister Quantity	
TH0-4	Quantity of Thermisters between 4 to 5
Code Sensor Cable	
10	10' Cable Length
30	30' Cable Length
50	50' Cable Length
75	75' Cable Length
100	100' Cable Length
Code Spot Facing Tool	
SF	1-1/4" Diameter Spot Facing Tool for preparing machine surface for mounting pad

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