



Powerful, Flexible, Affordable Machine Monitoring !!!

- ◆ Low startup cost
- ◆ Modular design with wired, wireless and internet based acquisitions
- ◆ Scalable from 5 to 1000's of points
- ◆ Monitor and Trend Process Data
- ◆ Watch Video then Download and Try for Yourself

Protection Where You Need It:

With 5, 8 or 16 inputs per module and radio communications; protection can be put where it's needed with only a minimum of wiring

Affordability Designed In:

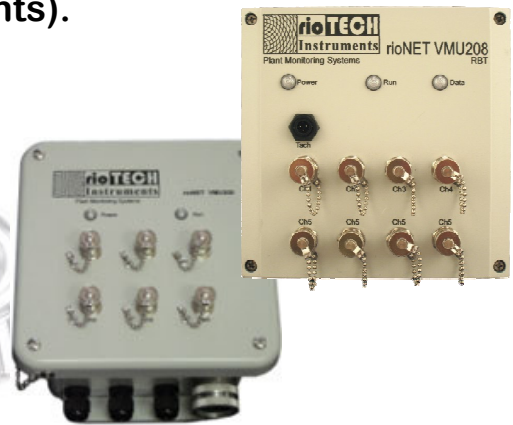
RioTech Instruments designed RioServer so that plant and maintenance managers can cost justify protection and 24/7 monitoring.

Start Small and Grow Large:

Large capital requirement is not needed. RioServer lets you grow from a single machine (5 points) to an entire plant (1000's of points).

Extensive Alarming

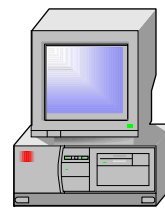
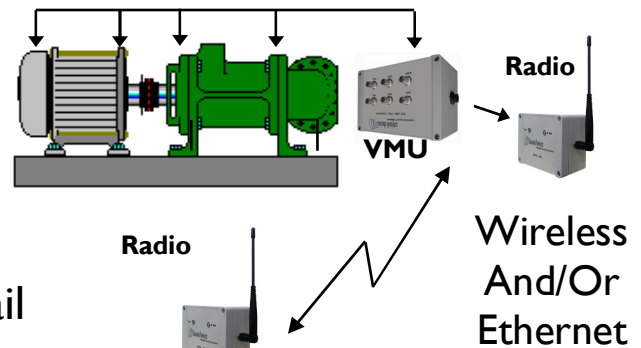
- ◆ Envelope
- ◆ Band
- ◆ Trend
- ◆ Auto Learn
- ◆ Email Notification



When Once a Month Isn't Enough

You know its going bad, but when? How long will it last? It was operating fine three days ago but now its not! If we could avoid one unexpected shutdown it would pay for itself.

- ◆ Email alarm notifications
- ◆ Frequency band trending
- ◆ Spectrum and waveform analysis
- ◆ Internet data acquisition
- ◆ 5 to 1,000 Point expandability
- ◆ Spectrum & trends Sent with email
- ◆ Output to PLC or DCS



Specifications

Inputs

Number Inputs Per Module: 5, 8, 16
Optional buffered BNC connectors for hand-held access Type Inputs
Acceleration - IEPE Power
Analog Input 0 - 20V
Induction proximity probes
Industrial transducers (4 - 20 mA)

ADC:

Resolution 16 bit
Dynamic Range 96dB max, 90dB typical
Harmonic Distortions: -80dB typical
Anti-aliasing filter: Analog & digital filters
Sampling Rate:
effective rate 128 Hz to 51.2 kHz
Analysis Frequency Bandwidth: .015 - 100 Hz
to 3.1 Hz - 20 kHz
Spectral lines: 100 to 6400

Communications:

RS485 Multidrop, 1000 ft end to end
Ethernet
One Watt, 900 MHz SSFH long range radios
802.11 Wi-Fi radios
Cellular Modems

Power:

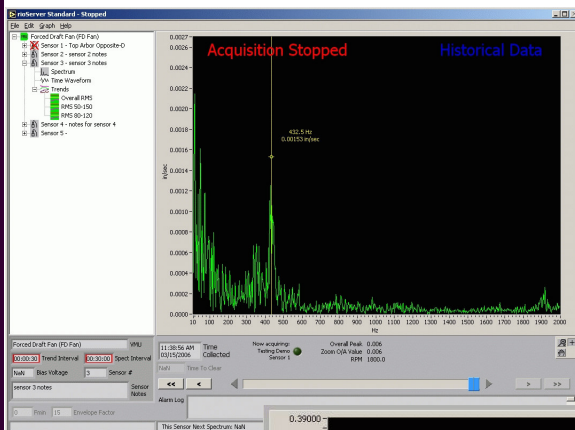
12-24 VDC, Current based on radio

Software:

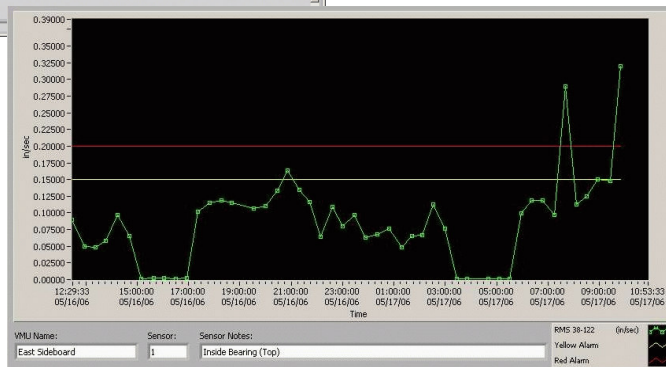
Scheduled Acquisitions 5 sec—30 days

Alarms:

Envelope, Trend and Band
Email Notification of Alarms
Trended Parameters: 10 per sensor
Trend Export to Modbus or OPC



RioServer Software
Easy, Fast Effective.
Watch Configuration
Video at
www.riotechinst.com
Then download and try
software yourself



**FFT Spectrum
Analysis**
**Multi-Parameter
Trending**



RioTech Instruments Ltd LLP
27326 Robinson Rd Suite 225,
The Woodlands, TX 77385
Phone: 281-292-9051 Fax: 281-298-8618