

Intelligent Transmitters (iT)

Wilcoxon's custom-built signal conditioning modules that interface with traditional accelerometers.

- ▶ 4-20 mA data output
- ▶ Dynamic data output on BNC front connector for more extensive vibration analysis
- ▶ Over 30,000 configurations available! Custom order your *iT* Transmitter:
 - Acceleration, velocity or displacement input
 - English or metric units
 - Output of r.m.s. or peak, or Wilcoxon's exclusive true peak or true peak-to-peak
 - Selectable full scale
 - 10 mV, 100 mV or 500 mV sensor input
 - Choose high-pass and low-pass filters from over 20 possibilities, also field adjustable



iT401 Alarm

Relay alarm accepts 4-20 mA signal from the iT Transmitter or any loop powered sensor

- Interfaces with iT Transmitter modules (iT100/200) for 4-20 mA signal and power, without wiring
- Compatible with 4-20 mA signal from a variety of sensors, including: vibration, temperature, pressure, level, flow, force, and speed sensors
- Three alarm relays
- User-programmable settings
- Accurate to 1%



iT501 Communication Module

The Intelligent Transmitter Communication Module is the only stand-alone digital communication unit for vibration transmitters available in the world today. The iT501 works in conjunction with Wilcoxon's free VibeLink® software to provide you economical online monitoring with significant capabilities.



- Interfaces with iT Transmitter modules (iT100/200) for 4-20 mA signal and power, without wiring
- RS232 transmission of 4-20 mA vibration data to any PC
- Up to 8 modules can be daisy-chain linked to one computer

VibeLink[®] views: calibration and trending

VibeLink[®] records data and calibration information to an Excel[®]-compatible file, provides trend displays, and allows the user to label modules for easy reference.

The left screenshot shows the 'CHANNELS' tab in the VibeLink software. It displays a table with columns for 'CURRENT' and 'INFORMATION'. The table lists four channels (CH 01 to CH 04) with their respective names, models, sensitivities, full scales, HP/LP frequencies, and modes.

| CHANNEL | NAME | MODEL | SENS | FULL SCALE | HP Hz | LP Hz | IN MODE | OUT MODE |
|---------|------------------|-------|---------|-------------|---------|-------|---------|----------|
| CH 01 | WR IT501 #000009 | IT122 | 500mV/G | 3.0 ips RMS | 50000.0 | 90 | Accel | VEL |
| CH 02 | WR IT501 #000007 | IT122 | 500mV/G | 3.0 ips RMS | 50000.0 | 90 | Accel | VEL |
| CH 03 | WR IT501 #000006 | IT111 | 100mV/G | 20.0 g PK | 0.3 | 20000 | Accel | ACC |
| CH 04 | WR IT501 #000002 | IT111 | 0mV/G | 0.0 g PK | 0.0 | 0 | Accel | ACC |

The right screenshot shows the 'TRENDS' tab in the VibeLink software. It displays a line graph titled 'Temperature' showing data for four channels over time. The x-axis represents time from 02:06:15 PM to 02:08:45 PM on 06/16. The y-axis represents temperature in degrees Fahrenheit, ranging from 85 to 94. The graph shows four distinct data series: a red line (WR IT501 #000009), a green line (WR IT501 #000007), a blue line (WR IT501 #000006), and a black line (WR IT501 #000002). The red line shows the most significant fluctuations, peaking near 93°F. Below the graph, there are controls for 'UPDATE RATE' (set to 1), 'ELAPSED' (set to 5), 'BUFFER SIZE' (set to 10080), and an 'INITIALIZE' button.