9080 Smart Trend Meter
Analyzes, Interprets and TRENDS readings…

9080 Data Sheet 0613

BENEFITS
- Find machine faults before they stop your machine
- Increase productivity and lower maintenance costs

FEATURES
- Collect data
- Trend data using VibTrend software
- Standard Cable mounted accelerometer with magnet
- Built-in Bluetooth communication capability
- USB docking station to download to a PC
- ISO built-in Alarms
- Easily identify bearing problems with BDU Reading
- Easily identify problems with built-in band filters:
  1X (unbalance)
  2X (misalignment)
  3X (looseness)
- 800 line FFT (spectrum)
- Listen to bearing noise with optional Bluetooth headphones
- Ruggedized IP67 case
- 3-year Limited Warranty

PUT THE TPI 9080 TO WORK:
Commercial & Industrial HVAC
Food Processing
Manufacturing
Mining
Packaging
Petrochemical
Pulp and Paper
Power Plants
Utilities
Automotive

New VibTrend

Identify the vibration problem: unbalance, misalignment or looseness; in addition to the bearing condition

Optional A9082 Combo: Stroboscope, Tachometer and Flashlight

1. **Stroboscope:** freezes moving parts.
2. **Tachometer:** flash rate is automatically stored as the run speed.
3. **Flashlight:** hold the strobe button down for 2-seconds turns the light on.

Test the TPI Advantage

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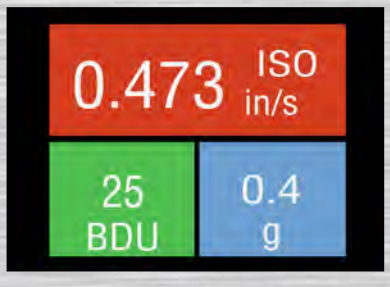
9080 Smart Trend Meter

The TPI 9080 is a simple, easy to use, low cost vibration meter that records, analyzes and displays vibration signals at the push of a button.

VibTrend standard software gives you greater ease of use and flexibility. Windows 7™ compatible

- Store analyze and report on all your vibration parameters in one place; up to 10 assets with 10 readings per asset standard; unlimited assets with 10 readings per asset with optional A9084 VibTrend Pro software.
- All information is just a click away. Color coded alarms highlight problems. Trend lines show problems before they happen.

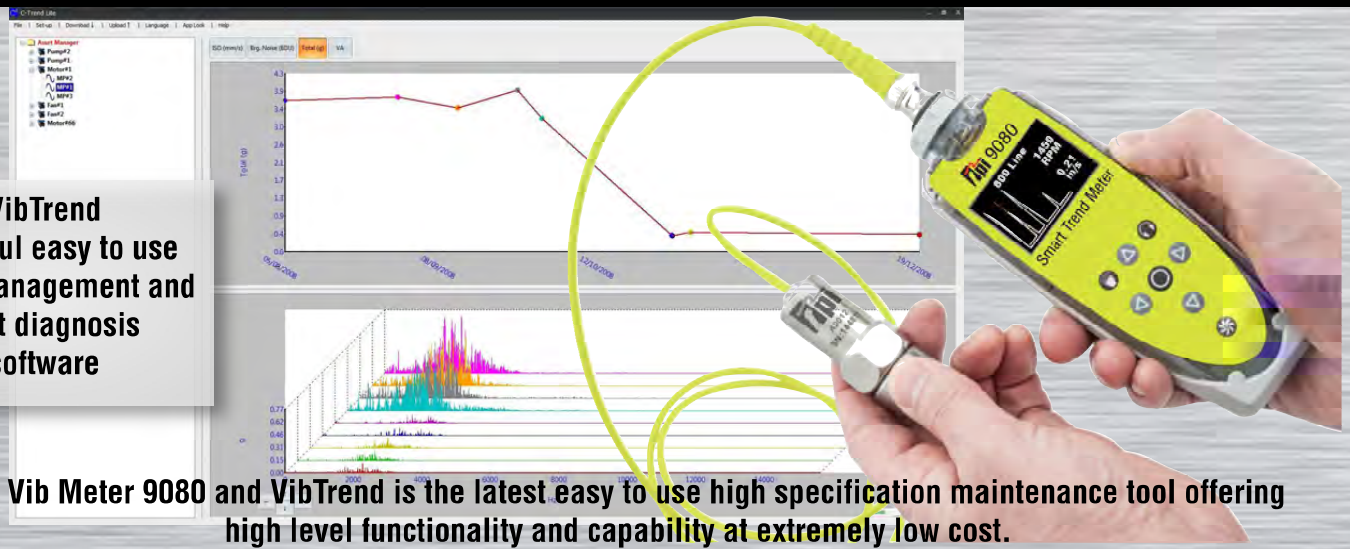
Overall machine and bearing conditions: vibration values are displayed with color coded alarm levels for ISO values and Bearing Damage (BDU).



Identify complex issues: 800-line spectrum with zoom and cursor.

- **Size:** H 7.95" W 2.36"
- **Weight:** 9.8oz (280g)
- **Environmental:**
  - **Water:** IP67 Waterproof
  - **Operating:** 32°F to 122°F (0C to 50C)
  - **Storage:** -4°F to 158°F (-20C to 70C)
- **Power supply:** 2xAA batteries
- **Battery life:** 2-years standby, 1,500 measurements or approximately 50 hours of normal use
- **Frequency ranges:** ISO: 2/10Hz - 1kHz
  g: 2Hz - 10kHz
- **Frequency resolution:** 100 / 800 lines
- **Displayed amplitude units:** Acceleration in g / velocity in inches per second or mm per second / Bearing damage in BDU
- **Displayed frequency units:** Hz, CPM or RPM
- **Input range:** +/- 60 g
- **Dynamic range:** 96 dB
- **Auto set up of VA bands**
- **Accelerometer connection:** BNC connector cable with removable magnet (1mV/g - 10,000mV/g)
- **Communication:** Bluetooth or USB docking station and cable to PC; data integration using VibTrend software
- **Reading storage:** 10 assets/10 readings per asset standard; unlimited assets/10 readings per asset with optional A9084 VibTrend Pro software
- **Standard accessories**: A9012 IEPE accelerometer with cable and A9073 magnet, A9081 docking station with USB cable, A9083 VibTrend Standard software and carrying case.
- **Optional accessories:** A9082 Strobe/Flashlight, A9084 VibTrend software Pro version, A9080 Bluetooth headset, A9072 4-inch stinger and A9086 Protective boot with magnets

Industry approved ear defenders with built-in Bluetooth headphones are also available to let you listen to the bearing noise - or even listen to your phone!



VibTrend powerful easy to use asset management and fault diagnosis software

The Vib Meter 9080 and VibTrend is the latest easy to use high specification maintenance tool offering high level functionality and capability at extremely low cost.

Machinery Health Monitoring Tools from

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