9085 Smart Trend Analyzer Analyzes, Interprets and TRENDS Machine Condition... With Wireless Charging

BENEFITS

- Find machine faults before they stop your machine
- Increase productivity and lower maintenance costs
- Measure temperature to determine if a bearing requires lubrication, preventing wear and failure.
- Use temperature measurement to confirm a high BDU reading (bearing noise) is caused by a worn bearing and not noise from pump cavitation, gearbox noise, or a nearby noisy bearing.
- Temperature measurement aids in diagnosing a tight or loose housing or shaft fit on a bearing.
- Measuring temperature assists with potential electrical issues on motors such as winding insulation deterioration, single phasing, broken rotor bars etc.

FEATURES

- Collect vibration and temperature data
- Practically instantaneous readout of actual surface temperature
- Trend data using C-Trend II software
- Standard Cable mounted accelerometer with Built in magnet and temperature sensor
- 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)
- Wireless charging
- Ruggedized IP67 case
- 3-year Limited Warranty

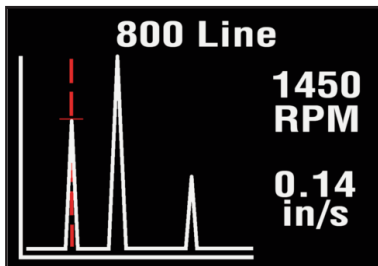

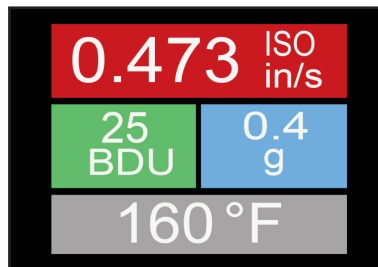9085 with charger and cord

9085 on charger

The TPI 9085 is a simple, easy to use, low cost vibration meter that records, analyzes and displays vibration signals at the push of a button.

C-Trend II software gives you greater ease of use and flexibility.

- Store analyze and report on all your vibration parameters in one place.
- 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 Units (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 (0°C to 50°C)
  - **Storage:** -4°F to 158°F (-20°C to 70°C)
- **Power supply:** Lithium ion wireless charging
- **Battery life between charges:** 1,500 measurements or approximately 50 hours of normal use
- **Frequency ranges:** ISO: 2/10Hz - 1kHz
                        g: 10Hz - 10kHz
                        BDU: 1kHz - 10kHz
- **Accuracy:** +/-5%
- **Frequency resolution:** 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
- **Displayed displacement:** Peak or peak to peak
- **Input range:** +/- 50 g
- **Dynamic range:** 96 dB
- **Auto set up of VA bands**
- **Displayed temperature range:** -60°F to 300°F (-50°C to 150°C)
- **Accuracy:** (+/- 4°F) (+/- 2°C)
- **Accelerometer connection:** 5 pin MIL connector cable with magnet and temperature sensor
- **Communication:** Bluetooth or USB docking station and cable to PC; data integration using software C-Trend II
- **Standard accessories:** A9101 Low power accelerometer with A9105 cable, temp sensor and magnet, A9081A docking station with USB cable, Standard software and carrying case and A9086 Protective boot with magnets.

C-Trend II powerful easy to use asset management and fault diagnosis software Compatible with windows 7 and above

The Vib Meter 9085 and C-Trend II is the latest easy to use high specification maintenance tool offering high level functionality and capability at extremely low cost.