



9085EX “Zone 0” Intrinsically Safe Vibration, Temperature & Bearing Wear Analyser

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 simultaneously
- Practically instantaneous readout of actual surface temperature
- Trend data using C-Trend II software
- Low Power IS Cable mounted accelerometer with Built in magnet and temperature sensor
- USB docking station to download readings & routes to and from a PC
- Download readings & routes to and from a PC over Bluetooth or the Cloud Bridge App
- 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
- 1-year Limited Warranty



Intrinsically Safe

SGS US Zone 0 Class 1 Division 1

IEC Ex/ATEX

Ex ia IIC T4 Ga

(-20°C ≤ Ta ≤ +40°C)

Certificate Numbers: IECEx

BAS 22.0061X SGS22ATEX0102X



Built-in Contact Temperature Sensor

For technical information, solution range, applications, prices and where to buy - Contact TPI Europe on: -

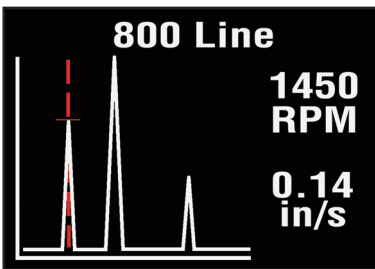
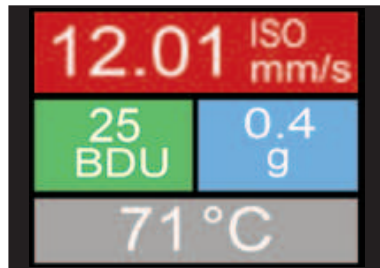
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9085EX “Zone 0” Intrinsically Safe Vibration, Temperature & Bearing Wear Analyser

The TPI 9085-Ex is a simple, easy to use, low cost intrinsically safe meter that records, analyses and displays vibration signals, temperature & bearing wear at the push of a button.

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.

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

- Store analyse 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.

- **Size:** H 200 mm W 60 mm (H 7.95” W 2.36”)
- **Weight:** 280g (9.8oz)
- **Environmental:**
 - o **Water:** IP67 Waterproof
 - o **Operating:** 0°C to 50°C (32°F to 122°F)
 - o **Storage:** -20°C to 70°C (-4°F to 158°F)
- **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:** -50°C to 150°C (-60°F to 300°F)
- **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:** A9103 IS 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.



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