9070 Smart Vibration Meter
Vibration analysis at the touch of a button

BENEFITS

- ISO Built-in Alarms
- Easily identify bearing problems with BDU Reading
- Easily identify balance, alignment, looseness problems with our built in band filters
- 800 line FFT (spectrum)
- Ruggedized IP67 case
- 3-year Limited Warranty

FEATURES

- Full Color OLED Display
- Built-in accelerometer with interchangeable stinger and magnetic mount

MARKETS

- Commercial/Industrial HVAC
- Food Processing
- Manufacturing
- Mining
- Packaging
- Petrochemical
- Pulp and Paper
- Power Plants
- Utilities
- Automotive

Analyze and Interprets readings…Incredible performance at an unbelievably low price
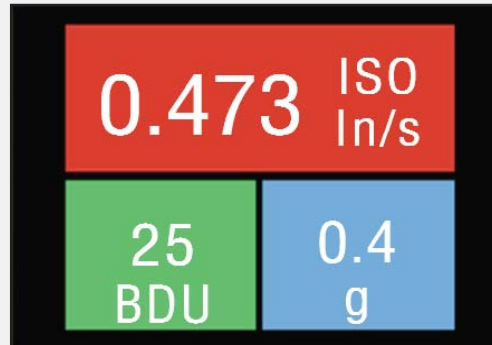
Overall machine and bearing conditions: vibration values are displayed with color coded alarm levels for ISO values and Bearing Damage (BDU)
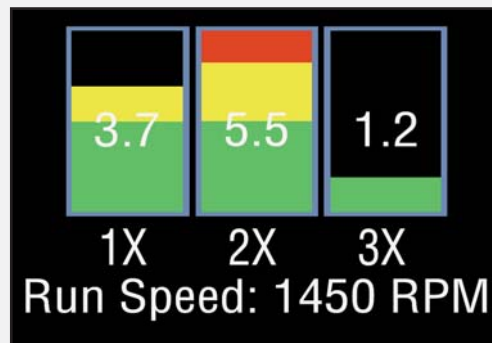
Easy vibration analysis: clear picture of machine problems detected with built in band filters
1X imbalance
2X misalignment
3X looseness
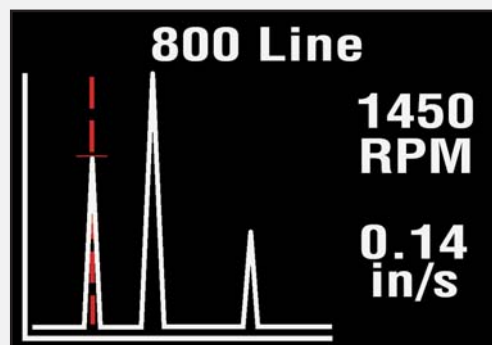
Identify complex issues: 800-line spectrum with zoom and cursor

Photo Actual Size

Test the TPI Advantage

9070 data sheet 03.12

Stinger tip accelerometer with standard 1/4 x 28 threads. Various length stingers or magnets can be used

Full color high contrast OLED display

7pi 9070

Advanced
Back
BDU Settings
Units
Device Settings

Smart Vibration Meter
Condition Based Monitoring

Menu
Setup

Waterproof
IP67

Photo Actual Size
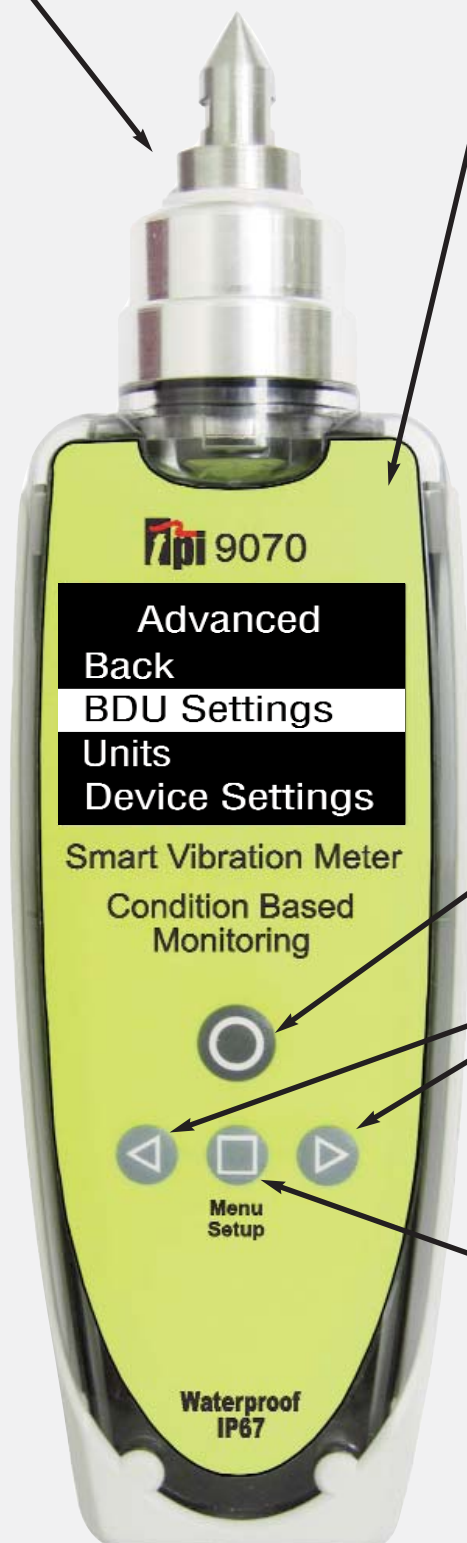
- **Size:** H 7.95" W 2.36"
- **Weight:** 9.8oz (280g)
- **Environmental:**
  - o **Water:** IP67 Waterproof
  - o **Operating:** -32°F to 122°F (0C to 50C)
  - o **Storage:** -4°F to 158°F (-20C to 70C)
- **Power supply:** 2xAA batteries
- **Battery life:** Approximately 50 hours of normal use
- **Frequency ranges:** 2/10Hz - 1kHz ISO
  2Hz - 3kHz
- **Frequency resolution:** 100 / 200 / 400 / 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:** +/- 50 g
- **Dynamic range:** 72 dB
- **Auto set up of VA bands**
- **Accelerometer connection:** Internal sensor
- **Standard accessories**
  - o Pouch with protective cap for pointed stinger
- **Optional accessories:**
  - o Extended stinger
  - o Magnet

Top button with circle:
- Press to power ON
- Press again to take a reading
- Auto OFF one minute after last reading, unless time OFF is changed in power time OFF in user settings

Left and right cursors:
- Move curser in FFT mode
- Select set up in Menu mode

Menu Setup button:
- Press and it cycles through main big number screen, VA screen (Unbalance, Misalignment and Looseness)
- FFT, FFT zoom *2, FFT zoom *4, FFT zoom*8 and back to start.

Press and hold Setup Menu to set:
- ISO filter 2/10Hz
- ISO alarm level
- Units of measure: Metric/English
- Run speed (Metric defaults to 1500 CPM/English 1800 CPM)
- Frequency axis CPM (default) or Hz
- Screen brightness
- Power time OFF (programmable)

Left and right buttons select options and Menus accepts change