



# 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 problems with built in band filters: 1X (unbalance) 2X (misalignment) 3X (looseness)
- 800 line FFT (spectrum)
- Ruggedized IP67 case
- 3-year Limited Warranty

### FEATURES

- Full Color OLED Display
- Built-in accelerometer with stinger. Optional long stinger and magnetic mount available

### MARKETS

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

9070  
data sheet

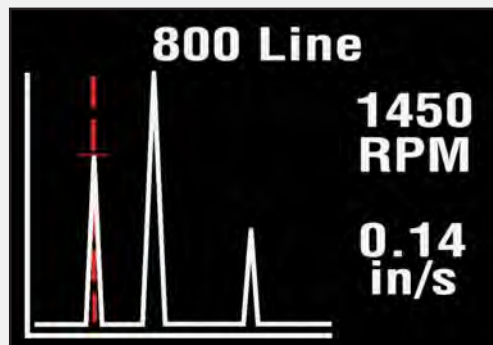
Analyze and Interprets readings...Incredible performance at an unbelievably low price



**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 (unbalance) 2X (misalignment) 3X (looseness)



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



Photo Actual Size

**Test the TPI Advantage**



# 9070 Smart Vibration Meter

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

Full color high contrast OLED display

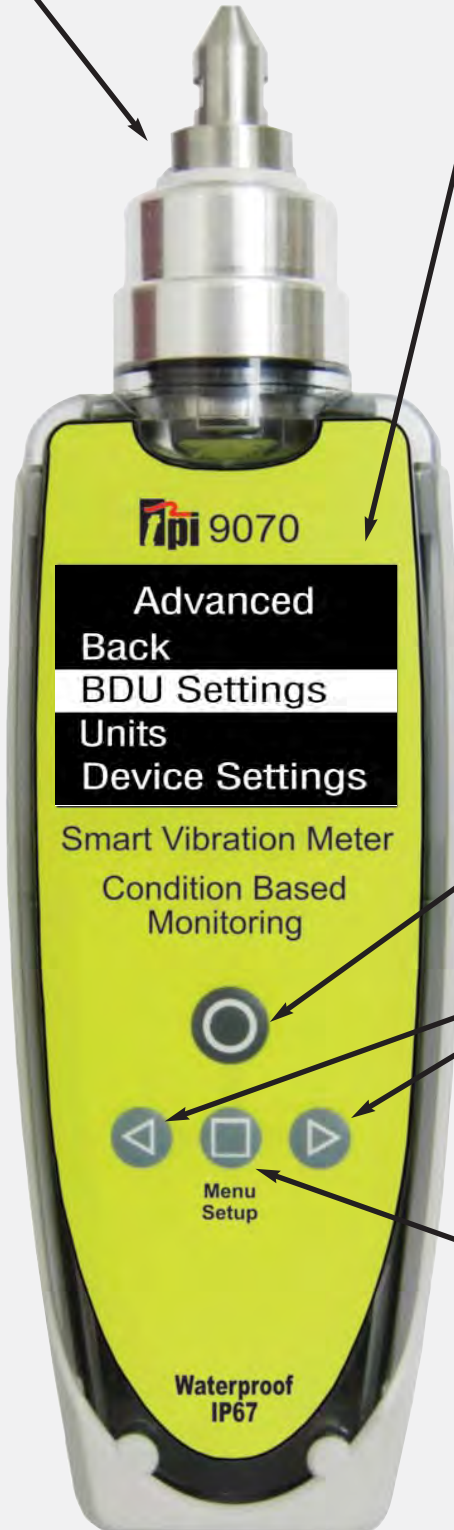


Photo Actual Size

- **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 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 cursor 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 Menu accepts change**