# **la**pi

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

Machinery Health Monitoring Tools from testproductsintl.com • 800.368.5719

#### **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 04.12





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.





## **9070 Smart Vibration Meter**

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• Size: H 7.95" W 2.36" Stinger tip accelerometer with standard 1/4 x 28 threads. Various length stingers or magnets can • Weight: 9.8oz (280g) be used • Environmental: o Water: IP67 Waterproof Full color high contrast OLED display o Operating: 32°F to 122°F (OC 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 **7pi** 9070 **o** Pouch with protective cap for pointed stinger • Optional accessories: Advanced o Magnet Back **BDU Settings** Top button with circle: Units Press to power ON **Device Settings** Press again to take a reading Auto OFF one minute after last reading, unless time OFF is changed in Smart Vibration Meter power time OFF in user settings **Condition Based** Monitoring 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. Menu Setup 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 Waterproof **IP67**  Screen brightness • Power time OFF (programmable) Left and right buttons select options and Menus accepts change

Photo Actual Size