

DIGITAL VIBRATION METER MODEL NO. BE63B



APPLICATION

This Professional Vibration Meter adopts piezoelectric effect of artificial polarized ceramic for design. It is suitable for monitoring all kinds of vibrating mechanical facility, specially the vibration measurement of rotating and reciprocating machinery. It measures Acceleration, Velocity and Displacement, in which widely used in mechanical manufacturing industry, electric power metallurgy and general aviation industry.

KEY FEATURES

- Simple to use, the structure is compact, portable for carrying with measurement
- Display measurement value and state instantly
- 3 measurements in one meter: **Acceleration, Velocity and Displacement**
- Different vibration frequency selection
- High sensitivity probe for accurate measurement
- Low power indication
- Auto Power-off
- LCD Backlight
- Max reading lock, temperature unit shift, environment condition display



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SPECIFICATIONS

- ✧ Vibration pickup: Piezoelectric ceramic accelerometer (shear-type)
- ✧ Measurement Range:
 - Acceleration: 0.1 ~ 199.9m/s² peak
 - Velocity: 0.1 ~ 199.9 mm/s rms
 - Displacement: 0.001 ~ 1.9999mm p~p
 - (Velocity and displacement range is limited by acceleration 199.9m/s²)
- ✧ Accuracy: ±5% ±2digits
- ✧ Frequency Range
 - Acceleration: 10Hz ~ 1kHz (LO), 1kHz ~ 15kHz (HI)
 - Velocity: 10Hz ~ 1kHz (LO)
 - Displacement: 10Hz ~ 1kHz (LO)
- ✧ Displays update cycle: 1 second
- ✧ LCD display: 3½ digits display
- ✧ Max hold function
- ✧ Temperature selection
- ✧ Operation condition display
- ✧ Power Supply: 9V Alkaline Battery (included)
- ✧ Static current: ≤20μA
- ✧ Operating current: ≤20Ma
- ✧ Battery Life: 20hrs. continuous use
- ✧ Auto Power-off: Turns off automatically in 60sec
- ✧ LCD Backlight: 7sec
- ✧ Operating Environment
 - Temperature: 0 ~ 40°C (32 ~ 104°F)
 - Humidity: 30 ~ 90% R.H.
- ✧ Low Battery Indication: 6.9V ±0.2V
- ✧ Size: approx. 80 x 38 x 150mm



ACCESSORIES

- ✓ 9V battery x1
- ✓ Powerful rare earth magnet x1
- ✓ Long probe Tip x 1
- ✓ Short probe Tip(installed)
- ✓ Instruction manual
- ✓ Standard factory packaging box

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