

DIGITAL VIBRATION METER

MODEL NO. BE63A



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
- Comes with long & short probe head, each one is suitable for different measurement situation
- Equipped with AC signal output interface
- Low power indication
- Auto Power-off
- LCD Backlight



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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: $\pm 5\%$ ± 2 digits
- ✧ 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
- ✧ Single Output:
 - AC output 2V peak (display full scale)
 - Load impedance 10k Ω or more earphones can be connected
- ✧ Power Supply: 9V Alkaline Battery (included)
- ✧ Static current: $\leq 20\mu A$
- ✧ Operating current: $\leq 20Ma$
- ✧ 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 $\pm 0.2V$
- ✧ Size: approx. 67 x 30 x 183mm (2.64 x 1.18 x 7.2 inch)
- ✧ Weight: approx. 182g (6.42oz) (battery included)



ACCESSORIES

- ✓ 1 x Long Probe Tip
- ✓ 1 x Short Probe Tip (installed)
- ✓ 1 x 9V Battery
- ✓ Instruction Manual
- ✓ Standard packing: Carrying case and gift box