

DIGITAL VIBRATION METER(PEN TYPE)
MODEL NO. VM-213



Affordable
Type

APPLICATION

Used for measuring periodic motion, to check the imbalance and deflecting of moving machinery.

Specifically designed for present measuring various mechanical vibration. So as to provide the data for the quality control, run time and equipment upkeep.

KEY FEATURES

- Can display the parameters of Displacement, Velocity and Acceleration simultaneously.
- In accordance with ISO 2954, used for periodic measurements, to detect out-of-balance, misalignment and other mechanical faults in rotating machines.
- Specially designed for easy on site vibration measurement of all rotating machinery for quality control, commissioning, and predictive maintenance purposes.
- Individual high quality accelerometer for accurate and repeatable measurements.
- Frequency range up to 10Hz~10kHz in acceleration mode.
- Use RS-232 data output to connect with PC.
- Provide Bluetooth data output choice.

DIGITAL VIBRATION METER(PEN TYPE)
MODEL NO. VM-213

SPECIFICATIONS

- * Sensor: Piezoelectric Transducer
- * Measuring Range: Acceleration: 0.1-300.0m/s² Equivalent peak 985ft/s²;
Velocity: 0.01-300.00mm/s True RMS 0.000~13.00inch/s;
Displacement: 0.001-3.000mm 0.04~120.0mil Equivalent Peak-peak
- * Frequency Range: Acceleration: 10 Hz ~ 10k Hz;
Velocity: 10 Hz ~ 1k Hz;
Displacement: 10 Hz ~ 1k Hz
- * Accuracy: 10% of reading + 2digits
- * Metric / Imperial Conversion
- * Max. Value Hold
- * Power Off: Manual Power Off or Auto Power Off
- * Data Output: USB, RS-232
- * Operating Conditions: Temperature: 0~50 °C Humidity: <90 %RH
- * Power Supply: Lithium battery
- * Dimensions: 202x43x23 mm (8.0x1.7x0.9 inch)
- * Weight: 130 g (Including Batteries)

BESTONE INDUSTRIAL LTD.

Vibration Standard

ISO/IS2373 Motor Quality Standard According As Vibration Velocity				
Quality Rank	Rev (rpm)	H: high of shaft (mm)		
		Maximum vibration velocity rms (mm/s)	80<H<132	132<H<225
Normal	600~3600	1.8	2.8	4.5
Good (R)	600~1800	0.71	1.12	1.8
	1800~3600	1.12	1.8	2.8
Excellent (S)	600~1800	0.45	0.71	1.12
	1800~3600	0.71	1.12	1.8

ACCESSORIES

Standard Accessories

- 1.Main unit;
2. Carrying case;
- 3.Manual Book.

Optional Accessories:

1. RS-232C Data Cable with software;
2. Bluetooth Data Adapter with software.

BESTONE INDUSTRIAL LTD.

Tel: +86 755 82952326, Fax: +86 755 82952326
 Web: www.bestone-meter.com
 Email:liu@bestone-meter.com
 Skype: Bestone-Shirley Liu WhatsApp: +86 18929394326