

# PORTABLE VIBRATION CALIBRATOR

## VMC1480



VMC1480 Portable Vibration Calibrator consists of the standard sensor (reference sensor), signal generator, power amplifier, signal conditioning and digital control display circuit with a small, solid and stable structure. It is a full-functional vibration calibrator for industrial field or laboratory. High precision, simple operation, easy to use. It can calibrate a variety of types of vibration sensors such as acceleration sensors, velocity sensors and eddy displacement sensors, and calibrate some vibration monitoring systems and data acquisition system.

### FEATURES

- Directly LCD display
- Wide Frequency Range upto 10kHz
- 4-20mA output sensor dynamic calibration
- Battery-Powered
- Quick, easy field calibration of vibration measurement
- Designed for everyday use in harsh environments



### TECHNICAL SPECIFICATION

Operating Frequency ( $\pm 0.05\text{Hz}$ )	10Hz to 10kHz
Maximum Acceleration	50 m/s <sup>2</sup> rms
Maximum Velocity	150 mm/s rms
Maximum Displacement	1,500 $\mu\text{m}$ rms
Transverse Vibration Ratio	$\leq 5\%$
Harmonic Distortion	$\leq 5\%$
Acceleration Accuracy (30Hz to 2kHz)	$\leq 5\%$
Velocity Accuracy (30Hz to 630Hz)	$\leq 5\%$
Displacement Accuracy (30Hz to 200Hz)	$\leq 5\%$
Amplitude Linearity (100 grams @160Hz)	$\leq 1\%$
Maximum Payload	200 grams
Battery Capacity	5,200mAh
Battery DC Power	16.8VDC
Mounting Thread	M5(female)
Temperature Range	0 to +55°C
Sensor Under Test Input	PE, IEPE, Voltage, 4-20mA
Weight	6Kg
Dimension	334 × 260 × 220 mm
Supplied Accessories	Coaxial shielded cable BNC plug (male) to BNC plug (male) 2 meters Coaxial shielded cable BNC plug (male) to M5 plug (male) 2 meters Internal battery charger, Data transfer USB cable 2 meters , Bracket set for eddy sensor