

# Calibration Exciter VE-10

The VE-10 is a handy calibration exciter for a vibration meter and a vibration pickup (piezoelectric accelerometer).

- Calibrations of acceleration, velocity and displacement measurement equipment.
- 600 times of operation possible with single battery in auto-stop mode. Manual mode provided.
- Automatic power-off function for overload (more than 100 g).



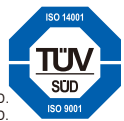
Calibration of Vibration Meter VM-82A by VE-10

## Specifications

Oscillator:	Sinusoidal wave oscillator
Frequency:	159.2 Hz ± 1 % for - 10 to + 55 °C
Acceleration:	10 m/s <sup>2</sup> (RMS) ± 3 % for 10 to 40 °C ± 5 % for - 10 to + 55 °C
Velocity:	10 m/s(RMS) ± 4 % for 10 to 40 °C ± 6 % for - 10 to + 55 °C
Displacement:	10 μm(RMS) ± 5 % for 10 to 40 °C ± 7 % for - 10 to + 55 °C
Maximum Load:	70 g
Transverse Amplitude:	Less than 5 % of main axis amplitude
Total Harmonic Distortion:	Less than 3 % for 20 to 60 g load Less than 5 % for 10 to 70 g load
Operation Mode:	Auto-stop mode (approx. one minute operation), Manual mode
Operating Conditions:	Temperature; -10 to + 55 °C Humidity; 0 to 90 % RH
Power:	IEC 6LR61 (9 V) battery × 1
Battery Life:	More than 600 operations for auto-stop mode More than 10 hours for continuous operation
Dimensions and Weight:	51 mm dia. × 134(H) mm, approx, 600 g (battery included)
Standard Accessories:	Mounting adapter × 1 M6 screw × 1 M6-UNF screw × 1 Leather case × 1 6LR61 alkaline battery × 1



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