

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-82 by VE-10

Specifications

Oscillator :	Sinusoidal wave oscillator
Frequency :	159.2 Hz $\pm 1\%$ for -10 to $+55\text{ }^\circ\text{C}$
Acceleration :	10m/s ² (RMS) $\pm 3\%$ for 10 to 40 $^\circ\text{C}$ $\pm 5\%$ for -10 to $+55\text{ }^\circ\text{C}$
Velocity :	10mm/s(RMS) $\pm 4\%$ for 10 to 40 $^\circ\text{C}$ $\pm 6\%$ for -10 to $+55\text{ }^\circ\text{C}$
Displacement :	10 μm (RMS) $\pm 5\%$ for 10 to 40 $^\circ\text{C}$ $\pm 7\%$ for -10 to $+55\text{ }^\circ\text{C}$
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 $+55\text{ }^\circ\text{C}$ Humidity; 0 to 90 % RH
Power :	IEC 6LR61 (9 V) battery $\times 1$
Battery Life :	More than 600 operations for auto-stop mode More than 10 hours for continuous operation
Dimensions and Weight :	51 mm dia. \times 134 (H) mm, approx, 600 g (battery included)
Standard Accessories :	Mounting adapter $\times 1$ M6 screw $\times 1$ M6-UNF screw $\times 1$ Leather case $\times 1$ 6LR61 alkaline battery $\times 1$

Specifications subject to change without notice.