

**Vibration Calibrator (Hand –held)****Model: YE5501****FEATURES**

- Self-contained 1g vibration reference
- Calibration and test of vibration measurement systems
- Useful to calibrate /test accelerometers up to 70 gm
- Small size, light weight
- Battery powered with automatic shutdown
- Constant amplitude and vibration frequency
- Can be used for fast measurement of accelerometer sensitivity.

**SPECIFICATIONS****Output**

| | |
|------------------------|--|
| Acceleration amplitude | 1g RMS (9.8m/s^2) $\pm 5\%$ |
| Acceleration Frequency | 160Hz $\pm 1.5\%$ (constant) |
| Output waveform | Sine waveform |
| Waveform distortion | $\leq 3\%$ |

Transducer under test

| | |
|--------|--------|
| Weight | 20~70g |
|--------|--------|

Power source

| | |
|------------------------|----------------------------------|
| Battery | 9V (150mA, Ni-Cr) (rechargeable) |
| Voltage normal display | Green |
| Low voltage warning | Orange |
| Auto shut-down time | 50 sec ($\pm 10\text{sec}$) |

Environment

| | |
|-------------|--|
| Temperature | Working temperature: $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$ Storage temperature: $-55^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Maximum 95% R.H. |
|-------------|--|

Humidity**Physical characteristics**

| | |
|-----------------|---|
| Dimensions | $\Phi 52\text{mm}$ (diameter) $\times 160\text{mm}$ (H) |
| Weight | About 750g |
| Sensor mounting | M5 screw (10-32 customized) |
| Output | Small platform |

Accessories

| | |
|-----------------|-----------------------------------|
| Battery | One built-in rechargeable battery |
| Battery charger | One |