

## INTRODUCTION

It generates sinusoidal vibration at frequency 159.2Hz. Can be used to calibrate vibration transducer. The frequency & amplitude of the vibration acceleration, velocity and displacement are all fixed so no need for any adjustment.

VIB-CAL-01 combines signal generator, power amplifier, standard transducer and a shaker in one housing and features a small size, high accuracy and easy operation. It can be used either for laboratory reference or on site verification.

It is controlled by 1 button for power on. After 50 second vibration, it powers off automatically. A green/orange LED for operation and low battery indication.

## SPECIFICATIONS

- Frequency** : 159.2Hz +0.5%
- Amplitude** : Acceleration : 9.81 m/s<sup>2</sup> RMS
- Velocity** : 9.81mm/sec RMS
- Displacement** : 9.81 micron RMS
- Accuracy** : ± 5%
- Distortion** : < 3%
- Maximum load** : 120 grams
- Power** : 9V Battery rechargeable for 1.5 hours operation
- Charge time** : 15hours
- Sensor Mounting base** : M5 tapped hole
- Size** : φ52×160 (mm)
- Weight** : 500 grams
- Temperature** : Operation : 0°C to 55°C
- Humidity** : 90% non –condensing
- Battery** : 9V Rechargeable Battery for 1.5 hours operation

