

# Portable 1g Handheld Shaker

Verify Accelerometer and Vibration System Performance



vibration



noise



The GA606 is a small, self-contained handheld shaker designed for quick and easy checking of accelerometers, vibration monitoring systems and recording systems. Providing a known and controlled selectable RMS or Peak vibration for verification of accelerometers weighing up to 210g.

Features:

- Switchable 1g RMS or 1g Peak Acceleration output
- Drives vibration sensors up to 210g
- Operates at 159.2 Hz
- Battery powered and adaptable to AC
- CE compliant

Provides 80 to 1600 calibration cycles, depending on accelerometer weight and is powered by a self contained battery pack. The automatic shut off after a 1.75 minute cycle can be overridden by a switch to provide continuous operation when required. Internal suspension is protected from overload by mechanical stops.



INVESTOR IN PEOPLE



## Specifications

### Performance

- Operating Frequency: 159.2Hz  $\pm$ 1%
- Acceleration Output: 1.00g rms / 9.81ms<sup>-2</sup> rms  $\pm$ 3%
- Velocity Output: 9.81mms<sup>-1</sup> rms
- Displacement Output: 9.81  $\mu$ s rms
- Transverse Output: <3%
- Distortion: 0-100g load - <2%, 100-210g load - <3%
- Maximum Load: 7.4oz / 210g
- Automatic Shut Off Time: 1.0-2.5 minutes

### Calibration Cycles:

- 2g Load: 320 cycles
- 25g Load: 600 cycles
- 50g Load: 1600 cycles
- 100g Load: 400 cycles
- 150g Load: 160 cycles
- 210g Load: 80 cycles

### Environmental

- Temperature Range: +15 to +130°F / -10 to +55°C

### Electrical

- Ramp-Up Time: <3 sec
- Internal Battery: AA x4
- DC Power: 10VDC, 2.4A
- Battery Life: 2g load 8 hours, 100g Load 10 hours, 210g Load 2 hours

### Physical

- Size (Diameter x Height): 2.2in x 7.8in / 56mm x 200mm
- Weight (with batteries): 31oz / 900g
- Mounting Thread: 10-32 Female
- Mounting Torque (maximum): 10in-lb / 112 N-cm

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