

Accelerometer Exciter

Model EA5501

The Accelerometer Exciter is a portable handheld device used to calibrate vibration meters, accelerometers and other transducers. It supplies an internally regulated vibration that is independent of the accelerometer mass or orientation.

Applications

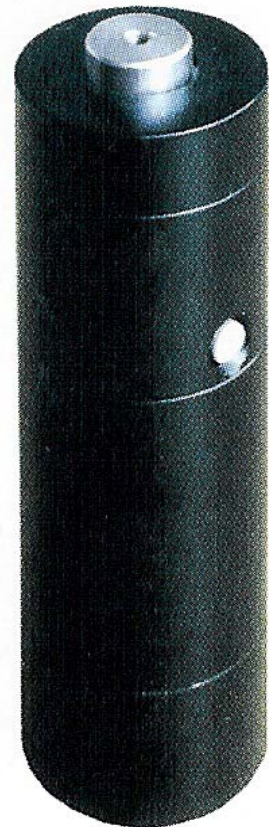
- Provide traceable calibration to characterize acceleration, velocity and displacement measuring equipment
- Accommodates accelerometers, velocity meters, and eddy current probes
- Checks calibration of vibration meters to guarantee consistent measurements

Features

- Standard internal reference accelerometer
- Output 10 m/s^2
- Output frequency 159.2 Hz
- Power supply: one 9V battery
- Automatic power-off in 60 seconds
- Switch for manual power-off

Specifications

Oscillator Type:	Sinusoidal frequency oscillator
Frequency:	159.16 Hz +/- 1.5 Hz
Acceleration:	10 m/s^2 +/- 0.5 m/s^2
Accelerometer Mass Range:	0 to 70 grams
Sinewave Distortion:	Less than 3% THD
Operational Mode:	Automatic shut-down after 60 seconds, or switch for manual shut-down
Size and Weight:	Diameter 50mm, Height 150 mm, mass 550 g
Mounting Screw:	M5 thread standard



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