

AS-156

Accelerometer Simulator



AS-156 is a pocket size instrument, able to simulate any ICP® (IEPE) standard accelerometer with a nominal sensitivity of 10, 50 or 100 mV/g.

This instrument can be used to detect cabling faults in the permanent vibration monitoring systems or for a quick check of any stationary or portable vibration instrument.

Warranty: 2 years

TECHNICAL SPECIFICATION

DYNAMIC SPECIFICATIONS	
Signal-to-Noise Ratio (SNR)	Min. 60 dB
Total Harmonic Distortion (THD)	Min. -56 dBc
Spurious-Free Dynamic Range (SFDR)	
Wideband (0 to 2MHz)	Min. -56 dBc
Narrow Band (± 100 Hz)	Min. -67 dBc
Internal clock frequency	4 MHz
Clock Feed through	Min. -50 dBc
Wake-Up Time	200 ms
Output Frequency accuracy	156.0 ± 0.1 Hz
Output Amplitude level	Selectable: 5, 25 or 50 mV RMS
Output Amplitude accuracy	2% full range *
Output DC Level	6 \pm 0.5 V DC for 2 mA supply 12 \pm 0.5 V DC for 4 mA supply
Temperature range	-10°C to +80°C
Power	
External power	2.1 to - 4.5 mA @ 24V DC
Internal power	9V PP3 battery
Internal power consumption	Max. 20 mA @ 9V DC
Enclosure size (L x W x H)	96.52 x 60.96 x 25.4 mm
Protective Boot	Rubber, yellow

* Regular calibration required. The acceptable temperature range is 18 \pm 30 °C.
The Instrument input impedance has to be more than 50 k Ω .