

Premium Accelerometer

ISTACCS01



TECHNICAL FEATURES

Sensitivity	100mV/g 5%
Frequency response	2Hz (120cpm) to 14kHz (840kcpm) ± 5% 1.5Hz (90cpm) to 16kHz (960kcpm) ± 10% 0.8Hz (48cpm) to 19kHz (1,140kcpm) ± 3dB
Isolation	Base isolated
Range	± 80 g
Transverse sensitivity	Less than 5%
Resonance frequency	24 kHz

MECHANICAL

Case material	Stainless steel
Sensing element / construction	PZT / Shear
Mounting torque	8 Nm
Weight	135gms (nominal) body only
Connector	MIL-C-5015 2 pin connector
Mounting threads	¼ 28" UNF Female (for bolt)
Mounting bolt provided	¼ 28" UNF Male

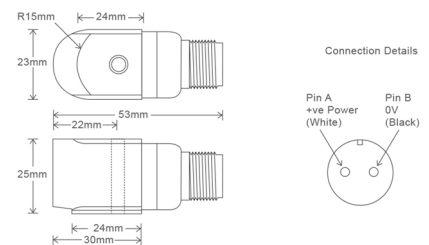
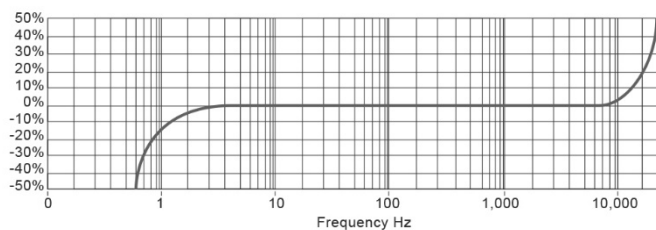
ELECTRICAL

Electrical noise	0.1mg max
Current range	0.5mA to 8mA
Bias voltage	10 – 12 Volts DC
Settling time	1 second
Output impedance	200 Ohms max.
Case isolation	>10 ⁸ Ohms at 500 Volts

ENVIRONMENTAL

Operating temperature range	-55 to 150 °C
Sealing	IP68
Maximum shock	5000g
EMC	EN61326-1:2013
Recommended cabling	ISTCABACxx

TYPICAL FREQUENCY RESPONSE (AT 100 MV/G)



KEY FEATURES

- Premium design with compact housing
- Side entry for easy access

INDUSTRIES

General industrial applications, e.g. chemical, petrochemical, oil and gas, energy, steel, paper and food.

APPLICATIONS

Turbines, generators, fans, motors, pumps, compressors, gearboxes.

MOUNTING

Vibration sensor should be firmly fixed to a flat surface.

Accessories:

- Spot facing tool
- Conical mounting stud

Rev. 1.0

Note: Due to continuous process improvement, specifications are subject to change without notice. This document is cleared for public release.

