

Triaxial seismic accelerometer

DSS-05

SPECIFICATIONS

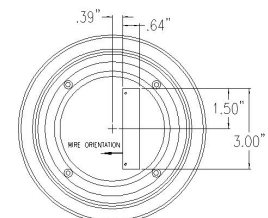
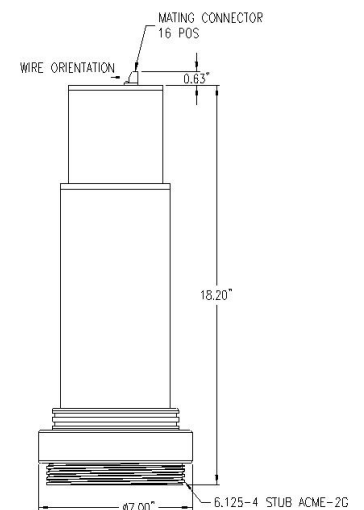
Sensitivity, $\pm 5\%$, 25°C		600 V/g
Acceleration range		2.5 mg peak
Amplitude nonlinearity		1%
Frequency response:	$\pm 10\%$	1.2 - 55 Hz
	± 3 dB	0.6 - 90 Hz
Resonance frequency		>150 Hz
Transverse sensitivity, max		2% of axial
Temperature response, 0°C		+2% sensitivity, relative 25°C
Power requirement:		
Voltage source		6.5 - 12 VDC
Current:		
Quiescent supply current		35 mA
Sleep current		30 mA
Lock and unlock		400 mA
Electrical noise, equiv. g:		
Broadband, 0.006 Hz to 1 kHz		2.5 ng
Output impedance, max		100 Ω
Bias output voltage		2.5 VDC
Voltage swing, differential		3.2 V peak
Grounding		case isolated
Temperature range		-10° to +65°C
Vibration limit		5 g peak
Shock limit		250 g (locked)
Sensing element design		PMNT / flexure
Weight		12 kg
Case material		aluminum alloy, anodized
Output connector		terminal block, 16 POS

Note: Fragile, special handling required.

Accessories supplied: Mating connector terminal plug, 16 POS

Key features

- Ultra low-noise electronics
- High sensitivity, ultra low-frequency
- Digitally controlled shock protection mechanism
- Differential analog outputs
- Manufactured in ISO 9001 facility



Export classification: USML XI

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