

Model 797

Premium, General Purpose, Center Mount Accelerometer



FEATURES:

- Rugged design
- Corrosion resistant
- Hermetic seal
- Ground isolated
- ESD protection
- Miswiring protection
- Mounts in any orientation

DYNAMIC

Sensitivity, ±5%, 25°C	100 mV/g
Acceleration Range	50 g peak
Amplitude Nonlinearity	1%
Frequency Response:	
±5%	3 - 5,000 Hz
±10%	2 - 7,000 Hz
±3 dB	1 - 12,000 Hz
Resonance Frequency	26 kHz
Transverse Sensitivity, max	5 % of axial
Temperature Response	-50°C -5%
	+120°C +5%

ELECTRICAL

Power Requirement:	voltage source	18 - 30 VDC
	current regulating diode	2 - 10 mA
Electrical Noise, equiv. g:		
Broadband	2.5 Hz to 25 kHz	600 µg
Spectral	10 Hz	8 µg/√Hz
	100 Hz	5 µg/√Hz
	1000 Hz	5 µg/√Hz
Output Impedance, max.		100 Ω
Bias Output Voltage		12 VDC
Grounding		case isolated, internally shielded

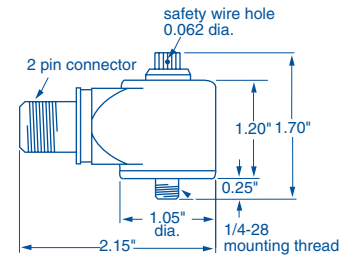
ENVIRONMENTAL

Temperature Range	-50 to 120°C
Vibration Limit	500 g peak
Shock Limit	5,000 g peak
Electromagnetic Sensitivity, equiv. g	30 µg/gauss
Sealing	Hermetic
Base Strain Sensitivity	0.002 g/µstrain

PHYSICAL

Sensing Element Design	PZT ceramic / shear
Weight	135 grams
Case Material	316L stainless steel
Mounting	1/4-28 captive socket head screw
Output Connector	2 pin, MIL-C-5015 style
Mating Connector	R6 type
Recommended Cabling	J10 / J9T2A

CONNECTOR PIN	FUNCTION
SHELL	ground
A	power/ signal
B	common



ACCESSORIES SUPPLIED: #12105-01 captive socket head (metric studs available upon request); Calibration data (level 3).

OPTIONS: Intrinsic Safety certifications.

