Model 797
Premium, PiezoFET®, low profile IsoRing accelerometer

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

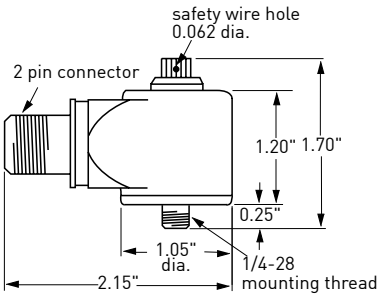
Temperature range	–50 to 120°C
Vibration limit	500 g peak
Shock limit	5,000 g peak
Electromagnetic sensitivity, equiv. g	30 µg/gauss
Sealing	hermetic
Base strain sensitivity	0.002 g/µstrain

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	Cable conductor color
Shell	ground	shield
A	power/ signal	white
B	common	black

Features
- Rugged design
- Corrosion resistant
- Hermetic seal
- Ground isolated
- ESD protection
- Reverse wiring protection
- Mounting in any orientation



Accessories supplied: #12105-01captive socket head (metric studs available upon request); calibration data (leve
Options: Intrinsic safety certifications

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ALTHEN reserves the right to vary the foregoing details without prior notice

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