

Radiation resistant accelerometer

797R

SPECIFICATIONS

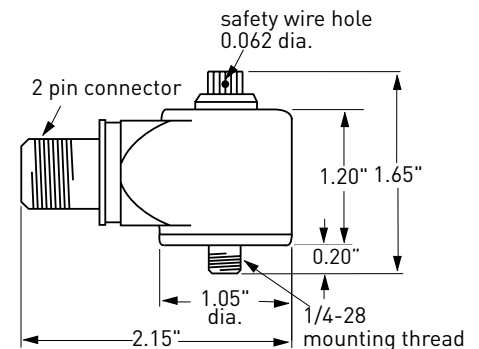
Sensitivity, $\pm 5\%$, 25°C	100 mV/g	
Acceleration range	50 g peak	
Amplitude nonlinearity	1%	
Frequency response:	$\pm 5\%$	3 - 5,000 Hz
	$\pm 10\%$	2 - 7,000 Hz
	± 3 dB	1 - 15,000 Hz
Resonance frequency	26 kHz	
Transverse sensitivity, max	5% of axial	
Temperature response:	-50°C	-5%
	+120°C	+5%
Power requirement:		
Voltage source	18 - 28 VDC	
Current regulating diode	2 - 10 mA	
Electrical noise, equiv. g:		
Broadband	2.5 Hz to 25 kHz	600 μ g
Spectral	10 Hz	8 μ g/ \sqrt Hz
	100 Hz	5 μ g/ \sqrt Hz
	1,000 Hz	5 μ g/ \sqrt Hz
Output impedance, max	100 Ω	
Bias output voltage	12 VDC	
Grounding	case isolated, internally shielded	
Temperature range	-50° to +120°C	
Vibration limit	500 g peak	
Shock limit	5,000 g peak	
Electromagnetic sensitivity, equiv. g	30 μ g/gauss	
Sealing	hermetic	
Base strain sensitivity	0.002 g/ μ strain	
Radiation exposure limit	1 x 10 ⁷ RADs	
Sensing element design	PZT, 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	J9T2	

Accessories supplied: #12105-01 captive socket head (metric mounting available); calibration data (level 3)



Key features

- Radiation rated
- Manufactured in ISO 9001 facility



Connections	
Function	Connector pin
power/signal	A
common	B



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