



m/s² **797 SERIES**
General purpose accelerometer

SPECIFICATIONS

Sensitivity, ±5%, 25°C		100 mV/g
Acceleration range, VDC > 25 V		80 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	-15%
	+120°C	+15%
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
	1,000 Hz	5 µg/√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
Sealing		hermetic
Base strain sensitivity		0.002 g/µstrain
Sensing element design		PZT, shear
Weight		138 grams
Case material		316L stainless steel
Mounting		1/4-28 captive socket head
Output connector		2 pin, MIL-C-5015 style
Mating connector		R6 type
Recommended cabling		J10 / J9T2A

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

Certifications

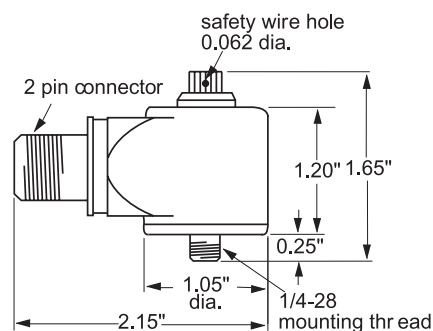
All 797 models	797E	797-33	797-35
	Class I, II, III, T4 Div 1 Groups A, B, C, D, E, F, G Div 2 Groups A, B, C, D, F, G	Class I, Div 1 Groups A, B, C, D	II 1 G Ex ia IIC T4 Ga Tamb: -50°C to 120°C

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



Key features

- Certified versions available for use in hazardous areas (models 797E, 797-33, 797-35)
- Radiation resistant options available (model 797R)
- Manufactured in ISO 9001 facility



Connections	
Function	Connector pin
power/signal	A
common	B
ground	shell

For Hazardous area installations the transducer must be installed per 11537.

The model 797-35 transducer must not be subjected to an acceleration greater than 3200g.

The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification.

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