## General purpose accelerometer

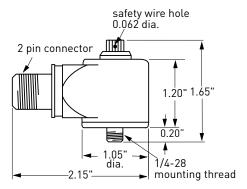
## 797 series

## SPECIFICATIONS

Sensitivity, ±5%, 25°C	100 mV/g
Acceleration range, VDC > 25 V	80 g peak
Amplitude nonlinearity	1%
±	±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
• •	50°C −15% 20°C +15%
Power requirement: Voltage source Current regulating diode	18 - 30 VDC 2 - 10 mA
10	5 kHz 600 μg 0 Hz 8 μg/√Hz 10 Hz 5 μg/√Hz 10 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

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

**Key features** 



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

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

## Certifications

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

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.

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

Wilcoxon Sensing Technologies An Amphenol Company 98244 Rev.E2 01/23 8435 Progress Drive Frederick, MD 21701 USA Tel: +1 (301) 330-8811 Fax: +1 (301) 330-8873 info@wilcoxon.com www.wilcoxon.com

