

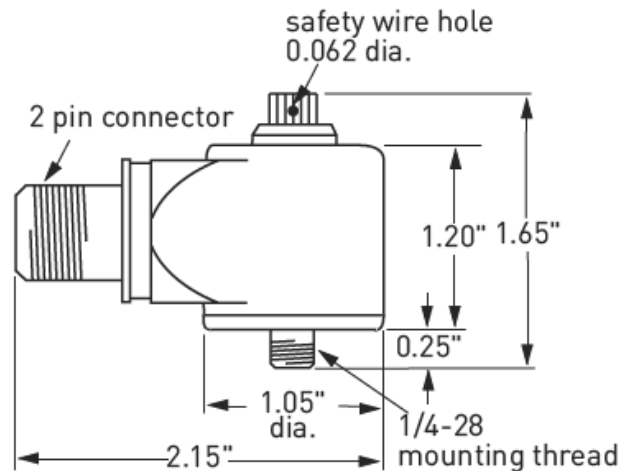
Low profile, low-frequency IsoRing[®] accelerometer 797L



Key features

- High sensitivity
- Ultra low-noise electronics for clear signals at very low vibration levels
- Low pass filtered to attenuate high frequencies
- Hermetically sealed
- ESD protection
- Reverse wiring protection

Certifications



Connections		
Function	Connector pin	Cable conductor color
power/signal	A	white
common	B	black
ground	shell	shield

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

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Wilcoxon Sensing Technologies
An Amphenol Company

Low profile, low-frequency IsoRing[®] accelerometer 797L

SPECIFICATIONS

Sensitivity, ±5%, 25° C	500 mV/g
Acceleration range	10 g peak
Amplitude nonlinearity	1%
Frequency response:	
± 5%	0.6 - 850 Hz
± 10%	0.4 - 1,500 Hz
± 3 dB	0.2 - 3,700 Hz
Resonance frequency	18 kHz
Transverse sensitivity, max	7% of axial
Temperature response:	
-50° C	-8%
+120° C	+5%
Voltage source	18 - 30 VDC
Current regulating diode	2 - 10 mA
Electrical noise, equiv. g:	
Broadband 2.5 Hz to 25 kHz	12 µg
Spectral 2 Hz	2.0 µg/√Hz
100 Hz	0.6 µg/√Hz
1,000 Hz	0.2 µg/√Hz
Output impedance, max	100 Ω
Bias output voltage	10 VDC
Grounding	case isolated, internally shielded
Temperature range	-50 to +120° C
Vibration limit	250 g peak
Shock limit	2,500 g peak
Electromagnetic sensitivity, equiv. g	5 µg/gauss
Sealing	hermetic
Base strain sensitivity	0.001 g/µstrain
Sensing element design	PZT ceramic / shear
Weight	148 grams
Case material	316L stainless steel
Mounting	1/4-28 captive socket head screw
Mating connector	R6 type
Recommended cabling	J9T2A

Contact

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Accessories supplied:

- Calibration data (level 3)
- #12105-01 captive socket head (metric mounting available)

Options: Intrinsic safety certification (consult factory)

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