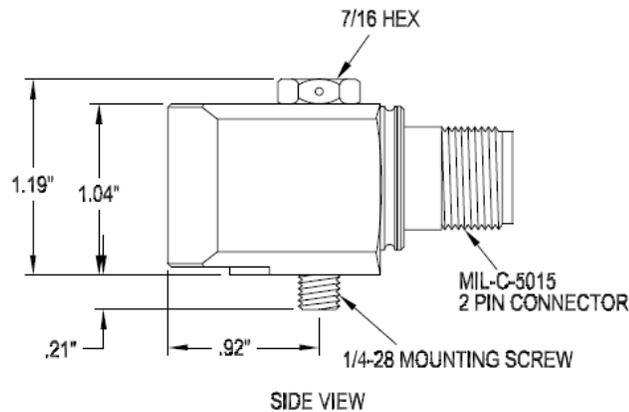
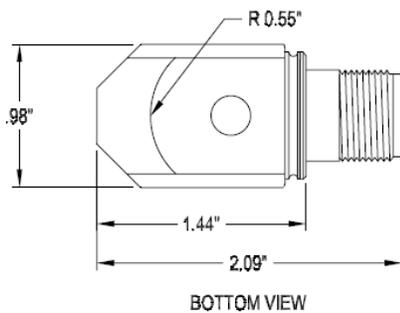


Low profile, general purpose accelerometer 787B

Key features

- Corrosion resistant
- Hermetically sealed
- Ground isolated
- ESD protection
- Reverse wiring protection
- Mounts in any orientation



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.

Wilcoxon Sensing Technologies
20511 Seneca Meadows Parkway
Germantown, MD 20876
info@wilcoxon.com

Tel: (301) 330 8811
Fax: (301) 330 8873
www.wilcoxon.com

Wilcoxon Sensing Technologies
An Amphenol Company

Low profile, general purpose accelerometer 787B

SPECIFICATIONS

Sensitivity, $\pm 10\%$, 25° C	100 mV/g
Acceleration range	80 g peak
Amplitude nonlinearity	1%
Frequency response:	1.0 - 5,000 Hz
$\pm 10\%$	0.7 - 10,000 Hz
± 3 dB	
Resonance frequency	22 kHz
Transverse sensitivity, max	5% of axial
Temperature response:	-10%
-25° C	+10%
+120° C	
Voltage source	18 - 30 VDC
Current regulating diode	2 - 10 mA
Electrical noise, equiv. g:	
Broadband 2.5 Hz to 25 kHz	700 μ g
Spectral 10 Hz	10 μ g/ \sqrt Hz
100 Hz	5 μ g/ \sqrt Hz
1000 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, min	5,000 g peak
Electromagnetic sensitivity, equiv g, max	70 μ g/gauss
Sealing	hermetic
Base strain sensitivity, max	0.002 g/ μ strain
Sensing element design	PZT ceramic / shear
Weight	145 grams
Case material	316L stainless steel
Mounting	1/4-28 captive hex head screw with 0.046" diameter safety wire hole
Output connector	2 pin, MIL-C-5015 style
Mating connector	R6 type
Recommended cabling	J10 / J9T2A

Contact

Wilcoxon Sensing
Technologies

20511 Seneca Meadows Parkway
Germantown, MD 20876, USA

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Fax: +1 301 330 8873

info@wilcoxon.com

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Accessories supplied:

- #80165-01 captive hex head screw
- Calibration data (level 2)

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