## **General purpose accelerometers**

# Wilcoxon

## 780B and 780C

#### **SPECIFICATIONS**

SF LOII ICATIONS		
Sensitivity, 25°C:	780B, ±10% 780C, ±15%	100 mV/g 100 mV/g
Acceleration range		80 g peak
Amplitude nonlinearity		1%
Frequency response:	±5% ±10% ±3 dB	3 - 5,000 Hz 1 - 9,000 Hz 0.5 - 14,000 Hz
Resonance frequency		30 kHz
Transverse sensitivity, r	nax	5% of axial
Temperature response:	−25°C +120°C	-10% +10%
Power requirement: Voltage source Current regulating (	diode	18 - 30 VDC 2 - 10 mA
Electrical noise, equiv. ( Broadband Spectral	g: 2.5 Hz to 25 kHz 10 Hz 100 Hz 1,000 Hz	700 μg 10 μg/√Hz 5 μg/√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
Electromagnetic sensiti	vity, equiv. g, max	70 μg/gauss
Sealing		hermetic
Base strain sensitivity,	max	0.0002 g/µstrain
Sensing element desigr	1	PZT, shear
Weight		62 grams
Case material		316L stainless steel
Mounting		1/4-28 UNF tapped hole
Output connector		2 pin, MIL-C-5015 style
Mating connector		R6 type
Recommended cabling		J10 / J9T2A

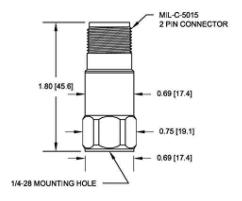
**Note:** Frequency response and spectral noise values are typical. **Accessories supplied:** SF6 mounting stud (metric mounting available); calibration data (level 2)

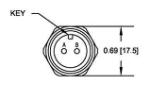




### **Key features**

- · Compact, lightweight
- Manufactured in ISO 9001 facility





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

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