

General purpose accelerometers

777 and 777B

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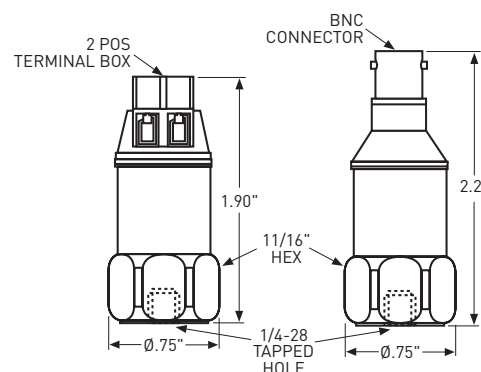
SPECIFICATIONS

Sensitivity, $\pm 10\%$, 25°C	100 mV/g
Acceleration range	80 g peak
Amplitude nonlinearity	1%
Frequency response:	± 3 dB
Resonance frequency	0.5 - 12,000 Hz
Transverse sensitivity, max	30 kHz
Temperature response:	5% of axial
	-50°C -10%
	+85°C +5%
Power requirement:	
Voltage source	18 - 30 VDC
Current regulating diode	2 - 10 mA
Electrical noise, equiv. g:	
Broadband	2.5 Hz to 25 kHz
Spectral	10 Hz
	100 Hz
	1,000 Hz
Output impedance, max	700 μ g
Bias output voltage	10 μ g/ $\sqrt{\text{Hz}}$
	5 μ g/ $\sqrt{\text{Hz}}$
	5 μ g/ $\sqrt{\text{Hz}}$
Output impedance, max	100 Ω
Bias output voltage	12 VDC
Grounding	case isolated ($>10^8 \Omega$ at 100V), internally shielded
Temperature range	-50° to +85°C
Vibration limit	500 g
Shock limit, min	5,000 g
Electromagnetic sensitivity, equiv. g, max	70 μ g/gauss
Sealing	IP66
Base strain sensitivity, max	0.0005 g/ μ strain
Sensing element design	PZT, shear
Weight	75 grams
Case material	stainless steel
Mounting	1/4-28 UNF tapped hole
Output connector and mating connector	see Connections table below
Recommended cabling	J10

Accessories supplied: SF6 mounting stud; protective vinyl boot (777 only)
Accessories available: SF6M 1/4-28 to M8 adapting stud

Key features

- Ground isolated
- Manufactured in ISO 9001 facility



Model 777

Model 777B



Connections				
Model	Connector pin	Power/Signal	Common	Mating connector
777	2-position terminal block	+	-	N/A
777B	BNC coaxial	center contact	shell	R2

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