Model 775A

Pivoting, Low Cost, Stud Mount Accelerometer

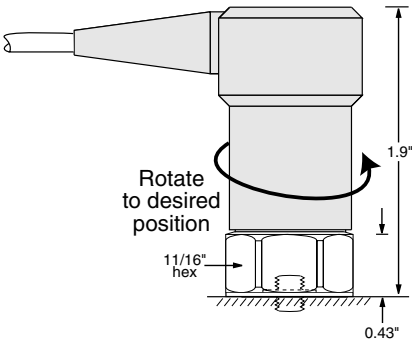
FEATURES:

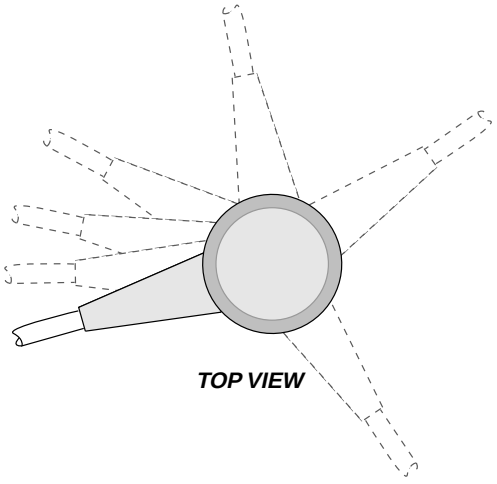
- Rugged assembly
- Hermetic seal
- ESD protection
- Miswiring protection
- Pivoting cable connection

DYNAMIC		
Sensitivity, ±20%, 25°C		100 mV/g
Acceleration Range		80 g peak
Amplitude Nonlinearity		1%
Frequency Response, nominal:		
± 3 dB		24 CPM - 720,000 CPM (0.4 Hz - 12,000 Hz)
Resonance Frequency, nominal		1,560 CPM (26 kHz)
Transverse Sensitivity, max		5% of axial
Temperature Response		–50°C –7% +80°C +5%
ELECTRICAL		
Power Requirement:	voltage source	18 - 30 VDC
	current regulating diode	2 - 10 mA
Electrical Noise, equiv. g:		
Broadband	2.5 Hz to 25 kHz	700 µg
Output Impedance, max.		100 Ω
Bias Output Voltage		12 VDC
Grounding		case isolated
ENVIRONMENTAL		
Temperature Range		–50 to 80°C (–60 to 175°F)
Vibration Limit		500 g
Shock Limit, min.		5,000 g
Sealing		Hermetic
PHYSICAL		
Sensing Element Design		PZT ceramic / shear
Weight		45 grams
Case Material		316L stainless steel
Mounting		1/4 - 28 tapped hole
Cable Type		J96, 16ft., blunt cut
Cable Boot Material		Viton®

FUNCTION	CABLE CONDUCTOR COLOR
common	black
power / signal	white
shield	shield

SIDE VIEW





TOP VIEW

ACCESSORIES SUPPLIED: SF6 mounting stud (International customers specify mounting requirements); Calibration data (level 2).

ACCESSORIES AVAILABLE: SF8 cementing pad.

Due to continued research and development, Wilcoxon Research reserves the right to amend this specification without notice.

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