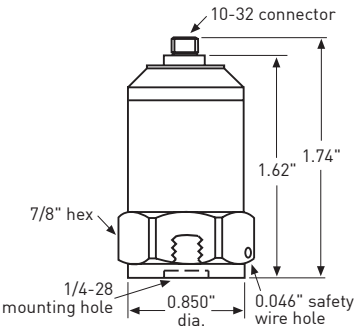


Model 376

High temperature accelerometer



- Features**
- Industrial ruggedness
 - Charge output
 - Ground isolated
 - 260°C operation



Dynamic

Sensitivity, 25°C, nominal.....	25 pC/g
Amplitude nonlinearity, to 250 g	1%
Frequency response:	
±5%	6,000 Hz
±10%	8,000 Hz
±3 dB	12,000 Hz
Resonance frequency	30 kHz
Transverse sensitivity, max.	7% of axial
Temperature response:	
-50°C	+10%
+260°C	+20%

Electrical

Capacitance	500 pF
Resistance, min.	1,000 MΩ
Grounding	case isolated

Environmental

Temperature range.....	-50 to 260°C
Vibration limit.....	500 g peak
Shock limit.....	5,000 g peak
Sealing.....	welded
Base strain sensitivity.....	0.002 g/μstrain
Humidity limit.....	100% relative

Physical

Sensing element design	PZT ceramic / compression
Weight	75 grams
Case material	stainless steel
Mounting	1/4 - 28 tapped hole
Output connector.....	10-32 coaxial
Mating connector.....	R1
Recommended cabling.....	J3

Connector pin	Function
Shell	crystal, positive
Pin	crystal, negative

Accessories supplied: SF6 mounting stud (International customers specify mounting requirements); calibration data (level 3)

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 98013 Rev.D.2 12/07