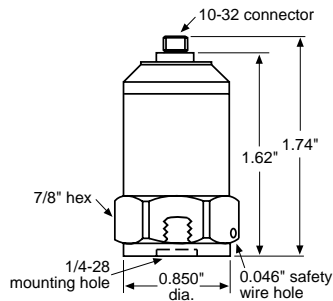


Model 376 High Temperature Accelerometer



FEATURES:

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



DYNAMIC

Sensitivity, 25°C, nominal	25 pC/g
Acceleration Range	not applicable
Amplitude Nonlinearity, to 250 g	1%
Frequency Response:	
±5%	3 - 6,000 Hz
±10%	2 - 8,000 Hz
±3 dB	1 - 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	CABLE CONDUCTOR COLOR
SHELL	crystal, positive	Shield
Pin	crystal, negative	Center conductor

ACCESSORIES SUPPLIED: SF6 mounting stud (International customers specify mounting requirements); Calibration data (level 3).

OPTIONS: Intrinsic safety certification



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

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