

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

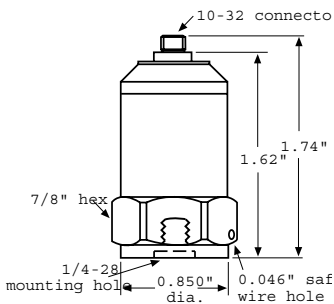
Environmental

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
Shell	crystal, positive
Pin	crystal, negative



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

ALTHEN reserves the right to vary the foregoing details without prior notice



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