



Accelerometer with thermal output

Dynamic

Sensitivity, $\pm 10\%$, 24°C	100 mV/g
Acceleration range	80 g peak
Amplitude nonlinearity	1%
Frequency response:	
$\pm 1\text{dB}$	1 - 10,000 Hz
$\pm 3\text{dB}$	0.3 - 13,000 Hz
Resonant frequency	32 kHz
Transverse sensitivity, max	5% of axial
Temperature response:	
-55°C	-10%
$+125^\circ\text{C}$	+10%

Electrical

Power requirement: voltage source	18 - 30 VDC
current regulating diode	2 - 10 mA
Electrical noise, Broadband Spectral (g):	
2.5 Hz to 25 kHz	200 μg
Output impedance, max	100 Ω
Bias output voltage	12 \pm 2 VDC
Grounding	case isolated, internally shielded
Warm-up time(90% of bias)	<1 s

Environmental

Temperature range	-55 to 125°C
Vibration limit	500 g peak
Shock limit	5,000 g peak
Electromagnetic sensitivity, equiv g, max	70 $\mu\text{g}/\text{gauss}$
Sealing	Hermetic
Base strain sensitivity, max	0.0002 g/ μstrain

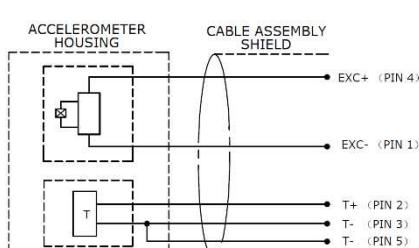
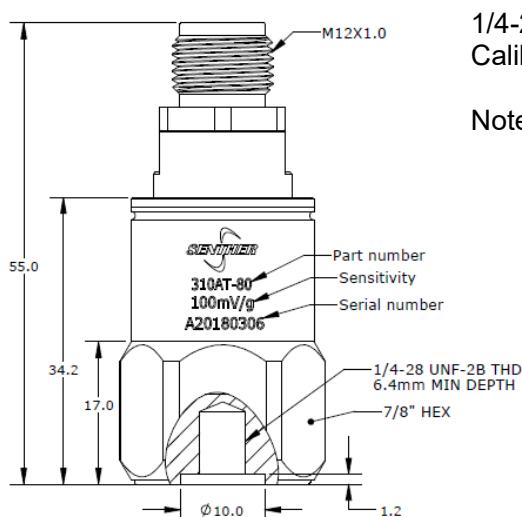
Physical

Sensing element design	PZT ceramic/shear
Temperature element	PT1000
Weight	80 grams
Case material	316L stainless steel
Mounting	1/4 - 28 UNF
Output connector	5 Pins-M12
Recommended cabling	18A

Accessories

- 1/4-28 to M6 mounting stud (or customer specified)
- Calibration certificate

Note: Frequency response limits spectral and noise values are typical



Ordering Information

