General purpose, integral cable accelerometer



787F

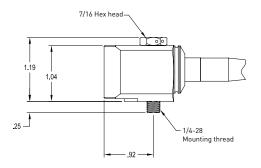
SPECIFICATIONS

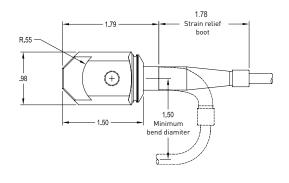
Sensitivity, ±5%, 25°C	100 mV/g
Acceleration range	80 g peak
Amplitude nonlinearity	1%
Frequency response: ±10% ±3 dB	- ,
Resonance frequency	22 kHz
Transverse sensitivity, max	5% of axial
Temperature response: -50°C +120°C	
Power requirement: Voltage source Current regulating diode	18 - 30 VDC 2 - 10 mA
Electrical noise, equiv. g, nominal: Broadband 2.5 Hz to 25 kHz Spectral 10 Hz 100 Hz 1,000 Hz	z 10 μg/√Hz z 5 μg/√Hz
Output impedance, max	100 Ω
Bias output voltage	12 VDC
Grounding	case grounded, internally shielded
Temperature range	–50° to +120°C
Vibration limit	500 g
Shock limit, min	5,000 g
Electromagnetic sensitivity, equiv. g, m	ax 70 μg/gauss
Sealing	hermetic
Base strain sensitivity, max	0.002 g/µstrain
Hydrostatic pressure	100 psi
Sensing element design	PZT ceramic / shear
Weight	145 grams
Case material	316L stainless steel
Mounting	1/4-28 captive hex head screw w/ 0.046" diameter safety wire hole
Integral cabling	J9T2A, 16 ft., blunt cut

Wilcoxon MODEL 787F SN: 20814 100 m//g NOM.

Key features

- Usable in submerged applications up to 30 ft.
- Manufactured in ISO 9001 facility





Connections	
Function	Cable conductor color
power/signal	white
common	black
case	shield

Accessories supplied: #80165-01 captive hex head screw; calibration data (level 2)



Note: Due to continuous process improvement, specifications are subject to change without notice. This document is cleared for public release.