Accelerometer with integral cable

780FM-2-J88C

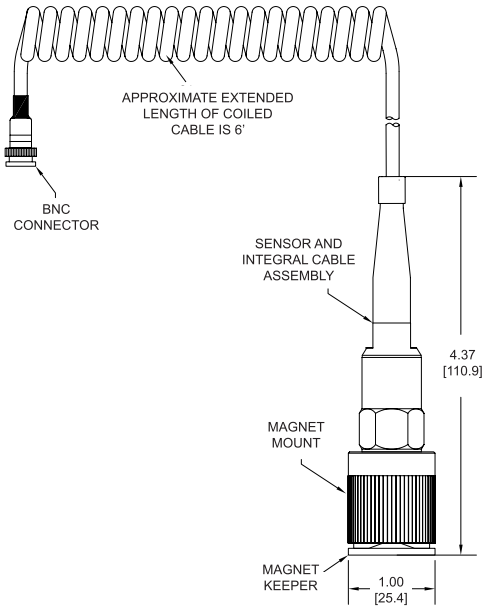
SPECIFICATIONS

Sensitivity, ±15%, 25°C		100 mV/g
Acceleration range		80 g peak
Amplitude nonlinearity		1%
Frequency response:	**±5%**	1 - 6,000 Hz
	±10%	0.7 - 8,000 Hz
	±3 dB	0.4 - 12,000 Hz
Resonance frequency		30 kHz
Transverse sensitivity, max		5% of axial
Temperature response:	**–25°C**	–10%
	+120°C	+10%
Power requirement:		
Voltage source		18 - 30 VDC
Current regulating diode		2 - 10 mA
Electrical noise, equiv. g:		
Broadband	**2.5 Hz to 25 kHz**	500 µg
Spectral	**10 Hz**	7 µg/√Hz
	100 Hz	4 µg/√Hz
	1,000 Hz	2 µg/√Hz
Output impedance, max		100 Ω
Bias output voltage		12 VDC
Grounding		case isolated, internally shielded
Temperature range:	**Sensor head**	–50° to +120°C
	Cable	–40° to +80°C
Vibration limit		500 g peak
Shock limit		5,000 g peak
Electromagnetic sensitivity, equiv. g, max		70 µg/gauss
Sealing		hermetic
Base strain sensitivity, max		0.0002 g/µstrain
Sensing element design		PZT, shear
Weight		150.5 grams
Case material		316L stainless steel
Mounting		1/4-28 UNF tapped hole
Integral cable		J88C

Note: Frequency response and spectral noise values are typical.
Accessories supplied: Two-pole 40 lbf magnet; calibration data (level 2)

Key features

- Designed for walkaround monitoring programs
- Manufactured in ISO 9001 facility



Connections	
Function	Connector pin
power/signal	center pin
common	outer shell
shield	outer shell

CE

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

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