Biaxial underwater accelerometer

757

SPECIFICATIONS

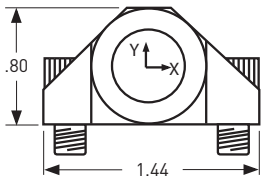
Sensitivity, ±10%, 25°C		100 mV/g
Acceleration range		50 g peak
Amplitude nonlinearity		1%
Frequency response:		
Both channels, ±10%		2 - 2,000 Hz
Transverse sensitivity, max		5% of axial
Temperature response:	**–20°C**	–5%
	+90°C	+5%
Power requirement:		
Voltage source		18 - 30 VDC
Current regulating diode		2 - 10 mA
Electrical noise, equiv. g, nominal:		
Broadband	**2.5 Hz to 25 kHz**	100 µg
Spectral	**10 Hz**	10 µg/√Hz
	100 Hz	1 µg/√Hz
	1,000 Hz	0.5 µg/√Hz
Output impedance, max		100 Ω
Bias output voltage, nominal		12 VDC
Grounding		case isolated, internally shielded
Temperature range		–50° to +80°C
Hyrdrostatic pressure, max		650 psi
Vibration limit		500 g peak
Shock limit		5,000 g peak
Electromagnetic sensitivity, equiv. g		100 µg/gauss
Base strain sensitivity		0.002 g/µstrain
Weight		110 grams
Case material		316L stainless steel
Mounting		two 10-32 x 7/16 SHCS on 1.125 bolt circle
Recommended cabling		J81S, 10 ft., stainless steel braid

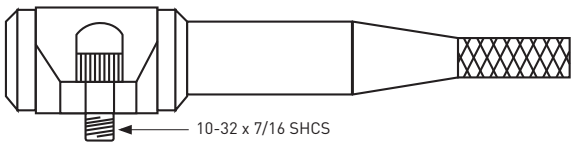
Accessories supplied: Calibration data; two 10-32 x 7/16 SHCS

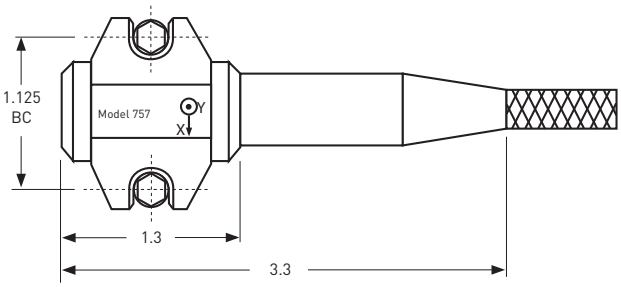
Key features

- High pressure rating
- Manufactured in ISO 9001 facility

Connections	
Function	Connector
x	white
y	black
common	shield







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

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