

Miniature underwater accelerometer

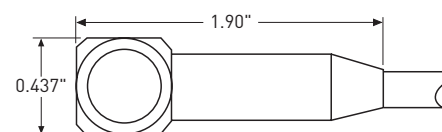
754

SPECIFICATIONS

Sensitivity, ± 1.5 dB, 25°C		10 mV/g
Acceleration range¹		250 g peak
Amplitude nonlinearity		1%
Frequency response:	± 1 dB	10 - 15,000 Hz
	± 3 dB	2 - 25,000 Hz
Resonance frequency, mounted, nominal		60 kHz
Transverse sensitivity, max		10% of axial
Temperature response		see graph below
Power requirement:		
Voltage source		18 - 30 VDC
Current regulating diode¹		2 - 5 mA
Electrical noise, equiv. g, nominal:		
Broadband	2.5 Hz to 25 kHz	300 μ g
Spectral	10 Hz	50 μ g/ $\sqrt{\text{Hz}}$
	100 Hz	4.0 μ g/ $\sqrt{\text{Hz}}$
	1,000 Hz	1.5 μ g/ $\sqrt{\text{Hz}}$
	10,000 Hz	1.0 μ g/ $\sqrt{\text{Hz}}$
Output impedance, max		200 Ω
Bias output voltage, nominal		8, ± 1.5 VDC
Grounding		case isolated, internally shielded
Hydrostatic pressure, max		650 psi
Temperature range		-20° to +90°C
Vibration limit		500 g peak
Shock limit		5,000 g peak
Base strain sensitivity		0.01 g/ μ strain
Dynamic weight		4 grams
Case material		titanium
Mounting		adhesive
Integral cabling		J6, 10 ft.

Key features

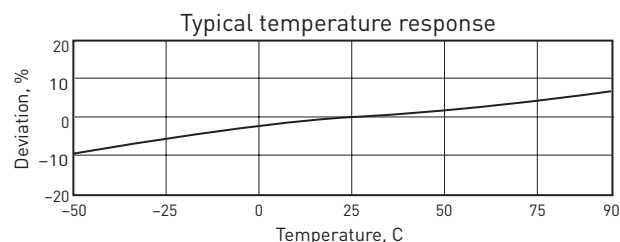
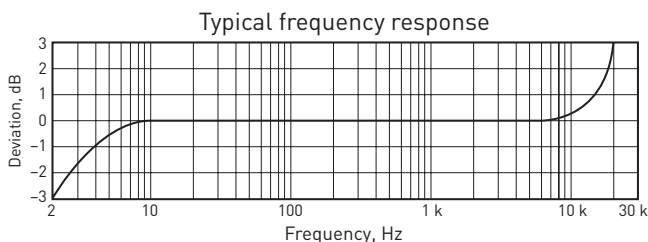
- High pressure rating
- Manufactured in ISO 9001 facility



Top view



Side view



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