

MEB361 Series

Low Cost, Low Profile Accelerometer with Integrated Rotating Locking Nut, Side Exit Molded Integral Cable, 100 mV/g, $\pm 15\%$



VIBRATION ANALYSIS HARDWARE



Product Features

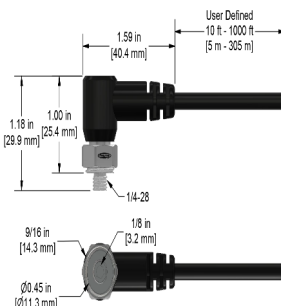
Features an Integrated, Rotating Mounting Base for Easy Sensor Positioning

- ▶ Designed for Low-Profile, Permanent Monitoring Applications
- ▶ IP68 Rated

MEB361-2A

CB110 Integral Cable

Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	MEB361	M/MEB361	Environmental		
Sensitivity ($\pm 15\%$)		100 mV/g	Operating Temperature Range	-58 to 250 °F	-50 to 121 °C
Frequency Response ($\pm 3\text{dB}$)	30-660,000 CPM	0.5 Hz-11 kHz	Maximum Shock Protection		10,000 g, peak
Dynamic Range		$\pm 80\text{g}$, peak *V _{source} $\geq 22\text{V}$, 12V _{bias}	Electromagnetic Sensitivity		CE Approved
Transverse Sensitivity		$\leq 5\%$	Sealing		IP68
Electrical			Submersible Depth	200 ft.	61 m
Settling Time		< 2 Seconds	SIL Rating		SIL 2
Voltage Source		18-30 VDC	Physical		
Constant Current Excitation		2-10 mA	Sensing Element		PZT Ceramic
Spectral Noise @ 10 Hz		30 $\mu\text{g}/\sqrt{\text{Hz}}$	Sensing Structure		Shear Mode
Spectral Noise @ 100 Hz		4 $\mu\text{g}/\sqrt{\text{Hz}}$	Weight	0.7 ounces	20 grams
Spectral Noise @ 1000 Hz		2 $\mu\text{g}/\sqrt{\text{Hz}}$	Mounting Base		Polyurethane Molded with 316L Stainless Steel Base
Output Impedance		< 100 ohm	Mounting Thread		1/4-28
Bias Output Voltage		10-14 VDC	Cable Jacket Diameter		0.175 in. (4.5 mm)
Case Isolation		>10 ⁸ ohm	Cable Jacket Material		Polyurethane
			Cable Conductor		20 AWG Twisted Shielded Pair
			Resonant Frequency	1,200,000 CPM	20 kHz
			Mounting Torque	1.5 - 2.5 ft. lbs	2.0 to 3.4 Nm
			Mounting Hardware Supplied	1/4-28 Stud	M6x1 Adapter Stud
			Calibration Certificate		CA10

Typical Frequency Response

