

# MEB212 Series

High Voltage Resistance, Lightweight Underwater Accelerometer, Top Exit Molded Integral Cable, 10-32 Mounting, 100 mV/g, ±10%



VIBRATION ANALYSIS HARDWARE



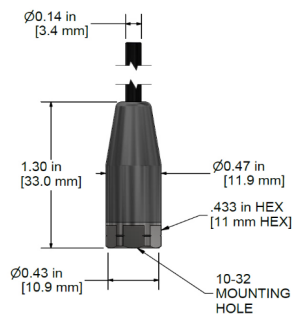
## Product Features

- ▶ Nylon Overmolded Accelerometer
- ▶ IP68 Rated
- ▶ >5 kV AC Dielectric Breakdown Voltage

### MEB212

CB127 Integral Cable

Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common



### Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	MEB212	MEB222	<b>Environmental</b>		
Sensitivity (±10%)		100 mV/g	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±3dB)	30-900,000 CPM	0.5 Hz-15 kHz	Maximum Shock Protection		10,000 g, peak
Frequency Response (±10%)	60-600,000 CPM	1 Hz-10 kHz	Electromagnetic Sensitivity		CE Approved
Dynamic Range		± 50 g, peak	Sealing	IP68 Integrally Molded Cable	
<b>Electrical</b>			Submersible Depth	200 ft.	61 m
Settling Time	< 2 Seconds		<b>Physical</b>		
Voltage Source (IEPE)	18-30 VDC		Sensing Element	PZT Ceramic	
Constant Current Excitation	2-10 mA		Sensing Structure	Shear Mode	
Spectral Noise @ 10 Hz	30 µg/√Hz		Weight	0.35 oz	10 grams
Spectral Noise @ 100 Hz	4 µg/√Hz		Mounting Base	316L Stainless Steel	
Spectral Noise @ 1000 Hz	2 µg/√Hz		Mounting	10-32 UNF	
Output Impedance	< 100 ohm		Cable Jacket Diameter	0.14 in (3.6 mm)	
Bias Output Voltage	10-14 VDC		Cable Jacket Material	Polyurethane	
Case Isolation	>10 <sup>8</sup> ohm		Cable Conductor	26 AWG	
Dielectric Breakdown Voltage	5 kV AC			Twisted Shielded Pair	
			Resonant Frequency	2,640,000 CPM	44 kHz
			Mounting Torque	1.5 - 2.5 ft. lbs	2.0 to 3.4 Nm
			Mounting Hardware	10-32 Stud	M5 Stud
			Calibration Certificate	CA10	

## Typical Frequency Response

