

# MEB210 Series



Lightweight, Cost Effective Molded Sensor, Top Exit Molded Integral Cable, 10-32 Mounting, 100 mV/g, ±10%

VIBRATION ANALYSIS HARDWARE

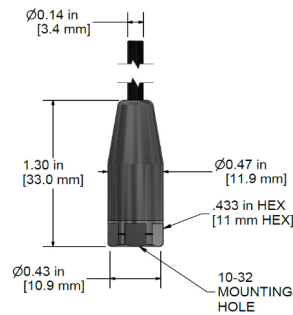


## Product Features

- ▶ Nylon Overmolded Accelerometer
- ▶ IP68 Rated
- ▶ Low Cost

### MEB210 CB127 Integral Cable

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



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	MEB210	M/MEB210	<b>Environmental</b>		
Sensitivity (±10%)	100 mV/g		Operating 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	± 80g, peak *V <sub>source</sub> ≥ 22V, 12V <sub>bias</sub>		Sealing	IP68 Integrally Molded Cable	
<b>Electrical</b>			Submersible Depth	200 ft.	61 m
Settling Time	< 2 Seconds		SIL Rating	SIL 2	
Voltage Source (IEPE)	18-30 VDC		<b>Physical</b>		
Constant Current Excitation	2-10 mA		Sensing Element	PZT Ceramic	
Spectral Noise @ 10 Hz	30 µg/√Hz		Sensing Structure	Shear Mode	
Spectral Noise @ 100 Hz	4 µg/√Hz		Weight	0.35 oz	10 grams
Spectral Noise @ 1000 Hz	2 µg/√Hz		Mounting Base	316L Stainless Steel	
Output Impedance	< 100 ohm		Mounting Thread	10-32 UNF	
Bias Output Voltage	10-14 VDC		Cable Jacket Diameter	0.14 in (3.6 mm)	
Case Isolation	>10 <sup>8</sup> ohm		Cable Jacket Material	Polyurethane	
				26 AWG	
			Cable Conductor	Twisted Shielded Pair	