

MEB361 Series

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



VIBRATION ANALYSIS HARDWARE



Product Features

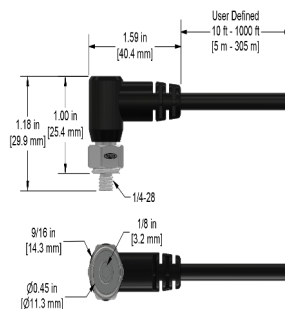
Features an Integrated, Rotating Mounting Base for Easy Sensor Positioning

- ▶ 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 (±15%) | 100 mV/g | | Operating Temperature Range | -58 to 250 °F | -50 to 121 °C |
| Frequency Response (±3dB) | 30-660,000 CPM | 0.5 Hz-11 kHz | Maximum Shock Protection | 10,000 g, peak | |
| Dynamic Range | ± 80g, peak *Vsource ≥ 22V, 12Vbias | | Electromagnetic Sensitivity | CE Approved | |
| Electrical | | | Sealing | IP68 | |
| Settling Time | < 2 Seconds | | Submersible Depth | 200 ft. | 61 m |
| Voltage Source (IEPE) | 18-30 VDC | | SIL Rating | SIL 2 | |
| Constant Current Excitation | 2-10 mA | | Physical | | |
| Spectral Noise @ 10 Hz | 30 µg/√Hz | | Sensing Element | PZT Ceramic | |
| Spectral Noise @ 100 Hz | 4 µg/√Hz | | Sensing Structure | Shear Mode | |
| Spectral Noise @ 1000 Hz | 2 µg/√Hz | | Weight | 70 ounces | 19.8 grams |
| Output Impedance | < 100 ohm | | Mounting Base | Polyurethane Molded with 316L Stainless Steel Base | |
| Bias Output Voltage | 10-14 VDC | | Mounting Thread | 1/4-28 | |
| Case Isolation | >10 ⁸ ohm | | Cable Jacket Diameter | 0.175 in. (4.5 mm) | |
| | | | 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



Backed by our Unconditional Lifetime Warranty & Free Annual Recalibration Service

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