

MEB360 Series

Premium, Low Profile Accelerometer with Integrated Rotating Locking Nut, Side Exit Molded Integral Cable, 100 mV/g, ±5%



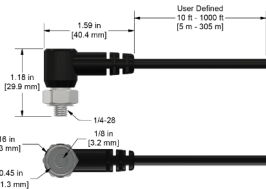
Product Features

Features an Integrated, Rotating Mounting Locking Nut for Easy Sensor Positioning

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

MEB360-2A  
CB110 Integral Cable

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



Stock Product

| Specifications              | Standard                                     | Metric        | Specifications              | Standard                                           | Metric        |
|-----------------------------|----------------------------------------------|---------------|-----------------------------|----------------------------------------------------|---------------|
| Part Number                 | MEB360                                       | M/MEB360      | <u>Environmental</u>        |                                                    |               |
| Sensitivity (±5%)           | 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<br>*Vsource<br>≥ 22V,<br>12Vbias |               | Electromagnetic Sensitivity | CE Approved                                        |               |
| <u>Electrical</u>           |                                              |               | 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                                      |               | <u>Physical</u>             |                                                    |               |
| 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 <sup>8</sup> ohm                         |               | Cable Jacket Diameter       | 0.175 in. (4.5 mm)                                 |               |
|                             |                                              |               | Cable Jacket Material       | Polyurethane                                       |               |
|                             |                                              |               | Cable Conductor             | 20 AWG Twisted Shielded Pair                       |               |