AC136-M12A
Low Frequency Accelerometer, Side Exit M12 Connector, 500 mV/g

Product Features
Low Frequency/Slow Speed Sensor
Now with an M12 Connector!
0.2 - 3000 Hz (12 - 180,000 CPM)

- 500 mV/g, ±10% Sensitivity
- Common M12 Connector
- ±10 g, Peak Dynamic Range

Specifications

<table>
<thead>
<tr>
<th>Standard</th>
<th>Metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitivity (±10%)</td>
<td>500 mV/g</td>
</tr>
<tr>
<td>Frequency Response (±3dB)</td>
<td>12-180,000 CPM (0.2-3000 Hz)</td>
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<tr>
<td>Frequency Response (±10%)</td>
<td>36-90,000 CPM (0.6-1500 Hz)</td>
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<tr>
<td>Dynamic Range</td>
<td>±10 g, peak</td>
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Electrical

- Setting Time: 5 Seconds
- Voltage Source (IEPE): 18-30 VDC
- Constant Current Excitation: 2-10 mA
- Spectral Noise @ 10 Hz: 1.7 µg/Hz
- Spectral Noise @ 100 Hz: 0.2 µg/Hz
- Spectral Noise @ 1000 Hz: 0.12 µg/Hz
- Output Impedance: <100 ohm
- Bias Output Voltage: 10-14 VDC
- Case Isolation: >10^6 ohm

Environmental

- Temperature Range: -58 to 250°F (-50 to 121°C)
- Electromagnetic Sensitivity: CE
- Sealing: IP68

Physical

- Sensing Element: PZT Ceramic
- Sensing Structure: Shear Mode
- Weight: 5.16 oz / 146 grams
- Case Material: 316L Stainless Steel
- Mounting: 1/4-28
- Connector (non-integral): M12
- Resonant Frequency: 840,000 CPM / 14000 Hz
- Mounting Torque: 2 to 5 ft. lbs. / 2.7 to 6.8 Nm
- Mounting Hardware: 1/4-28 Captive Bolt / M6x1 Captive Bolt
- Calibration Certificate: CA10

Ordering Information

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