AC365 Series

Modal/ODS Triaxial Accelerometer, 100 mV/g, ± 5%

Must Use J4A, J4C or J4N Connectors
Must Use CB105, CB117, CB119 or CB218 Cables

Product Features

Modal/ODS Triaxial Sensor
Collect 3 Axes of Data for Modal Analysis and ODS (Operating Deflection Shape)

- Premium 100 mV/g, ±5% Sensitivity
- Phase conforms to Cartesian Coordinate System (Right Hand Rule)

Modal/ODS Triaxial Sensor
Collect 3 Axes of Data for Modal Analysis and ODS (Operating Deflection Shape)

Operating Deflection Shape created from vibration and phase measurements.

Specifications

<table>
<thead>
<tr>
<th>Standard</th>
<th>Metric</th>
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<tbody>
<tr>
<td>Part Number</td>
<td>AC365</td>
</tr>
<tr>
<td>Sensitivity (±5%)</td>
<td>100 mV/g</td>
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<tr>
<td>Frequency Response (±3dB)</td>
<td>36-600,000 CPM, 0.6-10000 Hz</td>
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<tr>
<td>Frequency Response (±10%)</td>
<td>60-390,000 CPM, 1.0-6500 Hz</td>
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<tr>
<td>Frequency Response (±5%)</td>
<td>480-330,000 CPM, 8.0-5500 Hz</td>
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<tr>
<td>Dynamic Range</td>
<td>± 50 g, peak</td>
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Electrical

- Settling Time: <2.5 seconds
- Voltage Source (IEPE): 18-30 VDC
- Constant Current Excitation: 2-10 mA
- Spectral Noise @ 10 Hz: 27 µg/Hz
- Spectral Noise @ 100 Hz: 6.5 µg/Hz
- Spectral Noise @ 1000 Hz: 2.5 µg/Hz
- Output Impedance: <100 ohm
- Bias Output Voltage: 10-14 VDC
- Case Isolation: >10^8 ohm

Ordering Information

<table>
<thead>
<tr>
<th>Standard</th>
<th>Metric</th>
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<tbody>
<tr>
<td>AC365-1D</td>
<td>M/AC365-1D</td>
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<tr>
<td>(1/4-28 Captive Bolt)</td>
<td>(M6x1 Captive Bolt)</td>
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</tbody>
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Cable Termination Options:

- E3C
- F3C
- L
- Z

Other Cable Termination Options Available, Please Contact CTC For Details