

Class I, Division 2/Zone 2 Accelerometer, For Use In "Non-Arcing, Non-Sparking" Environments, Top Exit Connector/Cable, 100 mV/g

Section I - Vibration Sensors



Actual Product Size Shown

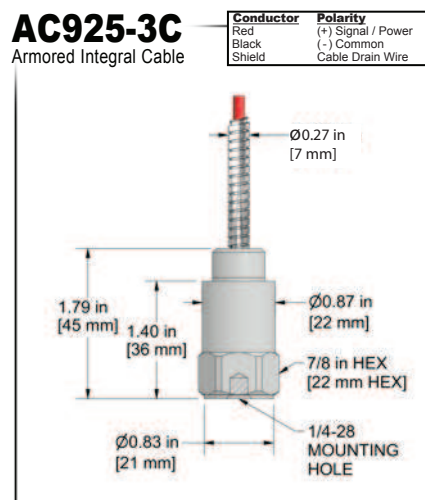
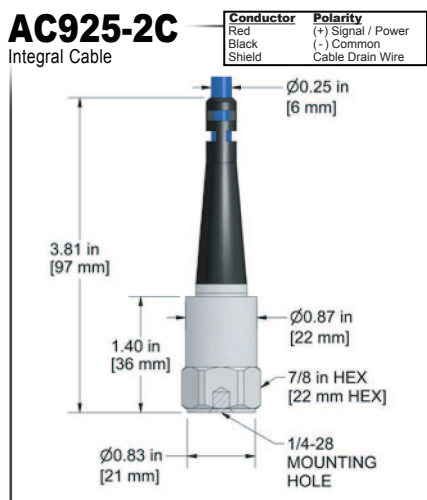
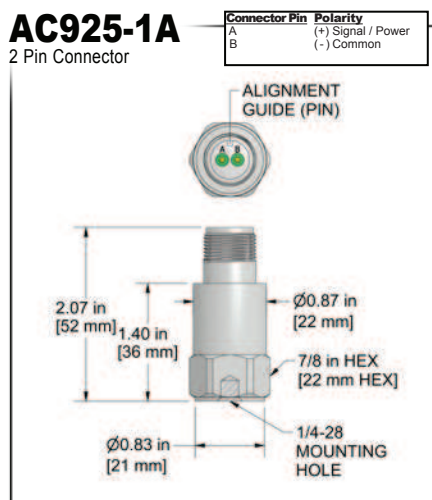


Must Use "Class I, Division 2" CB190 or CB206 Cable and D2Q Connectors

Product Features

Class I, Division 2/Zone 2 Rating
Excellent for Higher g Applications

- ±50 g, Peak Dynamic Range
- 100 mV/g, ±10% Sensitivity
- 0,5 - 15000 Hz (30 - 900,000 CPM) Frequency Response



| Specifications | Standard | Metric |
|-----------------------------|----------------------|--------------|
| Part Number | AC925 | M/AC925 |
| Sensitivity (±10%) | 100 mV/g | |
| Frequency Response (±3dB) | 30-900,000 CPM | 0,5-15000 Hz |
| Frequency Response (±10%) | 60-600,000 CPM | 1,0-10000 Hz |
| Dynamic Range | ± 50 g, peak | |
| Electrical | | |
| Settling Time | <3 Seconds | |
| Voltage Source (IEPE) | 18-28 VDC | |
| Constant Current Excitation | 2-10 mA | |
| Spectral Noise @ 10 Hz | 6.5 µg/√Hz | |
| Spectral Noise @ 100 Hz | 2 µg/√Hz | |
| Spectral Noise @ 1000 Hz | 1.8 µg/√Hz | |
| Output Impedance | <100 ohm | |
| Bias Output Voltage | 10-14 VDC | |
| Case Isolation | >10 ⁸ ohm | |

| Specifications | Standard | Metric |
|-----------------------------|----------------------|-------------------|
| Environmental | | |
| Temperature Range | -58 to 250°F | -50 to 121°C |
| Maximum Shock Protection | 5,000 g, peak | |
| Electromagnetic Sensitivity | CE | |
| Sealing | IP68 | |
| Physical | | |
| Sensing Element | PZT Ceramic | |
| Sensing Structure | Shear Mode | |
| Weight | 3.2 oz | 90 grams |
| Case Material | 316L Stainless Steel | |
| Mounting | 1/4-28 | |
| Connector (non-integral) | 2 Pin MIL-C-5015 | |
| Resonant Frequency | 1,380,000 CPM | 23000 Hz |
| Mounting Torque | 2 to 5 ft. lbs. | 2,7 to 6,8 Nm |
| Mounting Hardware | 1/4-28 Stud | M6x1 Adapter Stud |
| Calibration Certificate | CA10 | |

Ordering Information

| Standard | AC925-1A (1/4-28 Stud) | AC925-2C - / (1/4-28 Stud) | AC925-3C - / (1/4-28 Stud) |
|----------|--------------------------------|------------------------------------|------------------------------------|
| | | | |
| Metric | M/AC925-1A (M6x1 Adapter Stud) | M/AC925-2C - / (M6x1 Adapter Stud) | M/AC925-3C - / (M6x1 Adapter Stud) |
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Read Before Purchasing
Important information on Regulatory Approvals and Requirements on Page 64

Cable Termination Options: L Z

