

AC207 Series

High Temperature IEPE Accelerometer, 325 °F (162 °C) Max Temp,
Top Exit 2 Pin Connector, 100 mV/g, ±10%



VIBRATION ANALYSIS HARDWARE



Product Features

High Temperature (325°F) Sensor

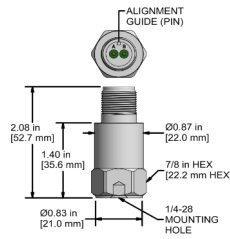
Proven Sensor for Standard High Temperature Applications

- ▶ Resistant to Temperatures Up to 325°F (162°C)
- ▶ Great for Extended Use at High Temperatures
- ▶ Improved RF Immunity

AC207-1D

2 Pin Connector

| Connector Pin | Polarity |
|---------------|------------------|
| A | (+) Signal/Power |
| B | (-) Common |

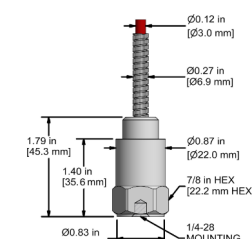


Stock Product

AC207-5D

CB206 Armored Integral Cable

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

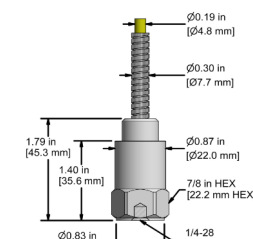


Built To Order

AC207-6D

CB611 Heavy Duty Armored Integral Cable

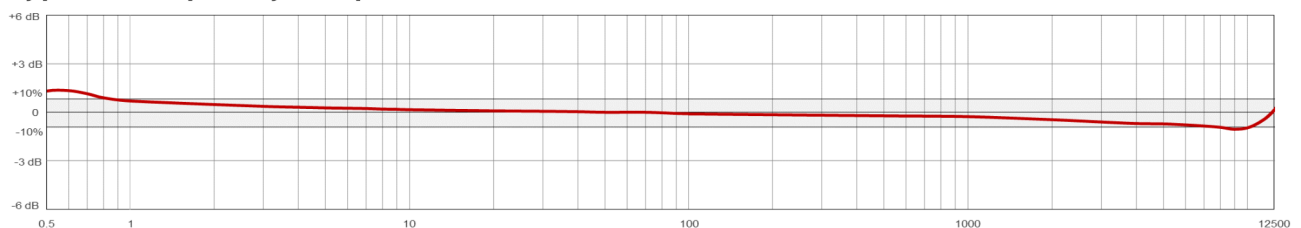
| Conductor | Polarity |
|-----------|------------------|
| Red | (+) Signal/Power |
| Black | (-) Common |
| Shield | Cable Drain Wire |



Built To Order

| Specifications | Standard | Metric | Specifications | Standard | Metric |
|-----------------------------|----------------------|--------------|-----------------------------|----------------------|-------------------|
| Part Number | AC207 | M/AC207 | Environmental | | |
| Sensitivity (±10%) | 100 mV/g | | Temperature Range | -58 to 325° F | -50 to 162°C |
| Frequency Response (±3dB) | 30-750,000 CPM | 0.5-12500 Hz | Maximum Shock Protection | 5,000 g, peak | |
| Frequency Response (±10%) | 120-360,000 CPM | 2.0-6000 Hz | Electromagnetic Sensitivity | CE | |
| Dynamic Range | ±80 g, peak | | Sealing | Welded, Hermetic | |
| Electrical | | | Physical | | |
| Settling Time | <2.5 Seconds | | Sensing Element | PZT Ceramic | |
| Voltage Source (IEPE) | 18-30 VDC | | Sensing Structure | Shear Mode | |
| Constant Current Excitation | 2-10 mA | | Weight | 3oz. | 86 grams |
| Spectral Noise @ 10 Hz | 8 µg/√Hz | | Case Material | 316L Stainless Steel | |
| Spectral Noise @ 100 Hz | .82 µg/√Hz | | Mounting | 1/4-28 | |
| Spectral Noise @ 1000 Hz | .3 µg/√Hz | | Connector (Non-Integral) | 2 Pin -MIL-C-5015 | |
| Output Impedance | <100 ohm | | Resonant Frequency | 1,380,000 CPM | 23000 Hz |
| Bias Output Voltage | 10-14 VDC | | Mounting Torque | 2 to 5 ft. lbs. | 2.7 to 6.8 Nm |
| Case Isolation | >10 ⁸ ohm | | Mounting Hardware | 1/4-28 Stud | M6x1 Adapter Stud |
| | | | Calibration Certificate | CA10 | |

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

www.ctconline.com | sales@ctconline.com | 585-924-5900