

AC208 Series

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



VIBRATION ANALYSIS HARDWARE



Product Features

High Temperature (325°F) Side Exit Sensor

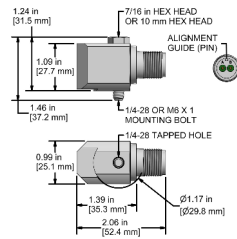
Proven Side Exit Sensor for Standard High Temperature Applications

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

AC208-1D

2 Pin Connector

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

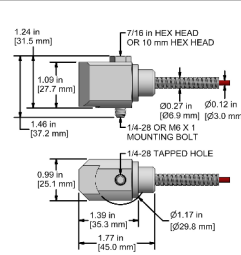


Stock Product

AC208-5D

CB206 Armored Integral Cable

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

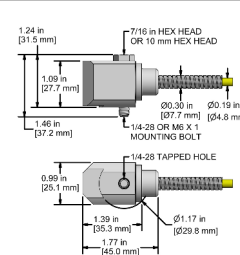


Built To Order

AC208-6D

CB611 Heavy Duty Armored Integral Cable

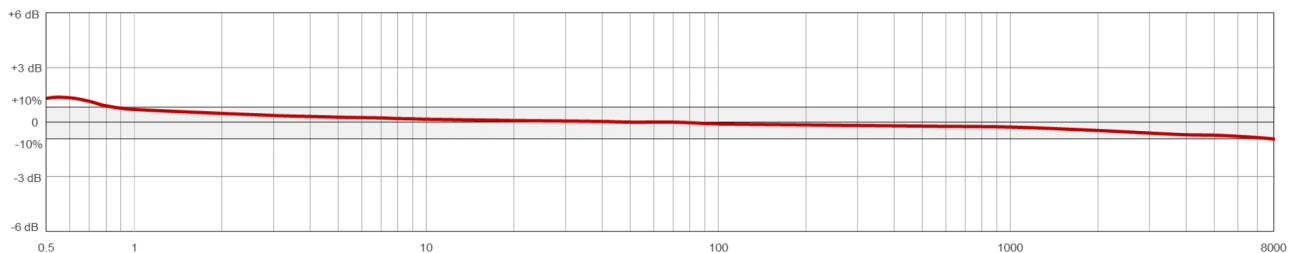
| Conductor | Polarity |
|-----------|------------------|
| Red | (+) Signal/Power |
| Black | (-) Common |
| Shield | Cable Drain Wire |



Built To Order

| Specifications | Standard | Metric | Specifications | Standard | Metric |
|-----------------------------|----------------------|--------------|-----------------------------|----------------------|-------------------|
| Part Number | AC208 | M/AC208 | Environmental | | |
| Sensitivity (±10%) | 100 mV/g | | Temperature Range | -58 to 325°F | -50 to 162°C |
| Frequency Response (±3dB) | 30-660,000 CPM | 0.5-11000 Hz | Maximum Shock Protection | 5,000 g, peak | |
| Frequency Response (±10%) | 120-180,000 CPM | 2,0-3000 Hz | Electromagnetic Sensitivity | CE | |
| Dynamic Range | ± 80 g, peak | | Sealing | Welded, Hermetic | |
| Electrical | | | SIL Rating | SIL 2 | |
| Settling Time | <2.5 seconds | | Physical | | |
| Voltage Source (IEPE) | 18-30 VDC | | Sensing Element | PZT Ceramic | |
| Constant Current Excitation | 2-10 mA | | Sensing Structure | Shear Mode | |
| Spectral Noise @ 10 Hz | 8 µg/√Hz | | Weight | 5.1 oz | 145 grams |
| Spectral Noise @ 100 Hz | .82 µg/√Hz | | Case Material | 316L Stainless Steel | |
| Spectral Noise @ 1000 Hz | .3 µg/√Hz | | Mounting | 1/4-28 | |
| Output Impedance | <100 ohm | | Connector (Non-Integral) | 2 Pin MIL-C-5015 | |
| Bias Output Voltage | 10-14 VDC | | Resonant Frequency | 1,200,000 CPM | 20000 Hz |
| Case Isolation | >10 ⁸ ohm | | 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 |

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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