

AC207 Series

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

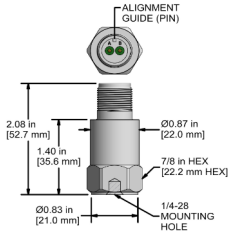


Product Features

- 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

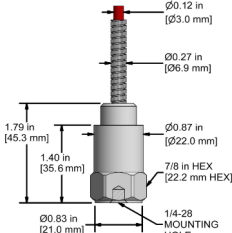
| Connector | Polarity         |
|-----------|------------------|
| Pin       |                  |
| A         | (+) Signal/Power |
| B         | (-) Common       |



Stock Product

AC207-5D  
CB206 Armored Integral Cable

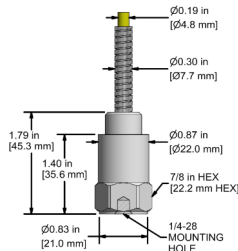
| Conductor | Polarity         |
|-----------|------------------|
| Red       | (+) Signal/Power |
| Black     | (-) Common       |
| Shield    | Cable Drain Wire |



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/ or M8/AC207 | Environmental               |                          |               |
| Sensitivity (±10%)          | 100 mV/g                               |                | Operating 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<br>*Vsource ≥ 22V, 12Vbias |                | 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                      | 3 oz.                    | 86 grams      |
| Spectral Noise @ 100 Hz     | .82 µg/√Hz                             |                | Case Material               | 316L Stainless Steel     |               |
| Spectral Noise @ 1000 Hz    | .3 µg/√Hz                              |                | Mounting Thread             | 1/4-28 Blind Tapped Hole |               |
| Output Impedance            | <100 ohm                               |                | Connector (Non-Integral)    | 2 Pin - MIL-C-5015       |               |
| Bias Output Voltage         | 10-14 VDC                              |                |                             |                          |               |
| Case Isolation              | >10 <sup>8</sup> ohm                   |                |                             |                          |               |