# AC207 Series

## High Temperature Accelerometer, Top Exit Connector / Cable, 100 mV/g

CLICK TO ACTIVATE 3D IMAGE


Actual Product Size Shown

CE HIGH TEMP

## Product Features

**High Temperature (302°F) Sensor**

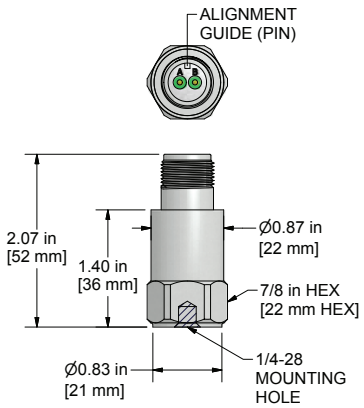
**Popular, Proven Sensor for Standard High Temperature Applications**

- *Resistant to Temperatures Up to 302°F, (150°C)*
- *Great for Extended Use at High Temperatures*
- *±80 g Dynamic Range*

### AC207-1A

2 Pin Connector

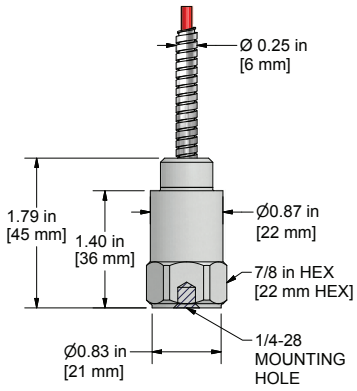
| Connector Pin | Polarity |
|---|---|
| A | (+) Signal / Power |
| B | (-) Common |




### AC207-5C

Armored Integral Cable

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




| Specifications | Standard | Metric |
|---|---|---|
| Part Number | AC207 | M/AC207 |
| Sensitivity (±10%) | 100 mV/g | |
| Frequency Response (±3dB) | 60-600,000 CPM | 1,0-10000 Hz |
| Frequency Response (±10%) | 120-360,000 CPM | 2,0-6000 Hz |
| Dynamic Range | ±80 g, peak | |
| **Electrical** | | |
| Settling Time | <2.5 Seconds | |
| Voltage Source | 18-30 VDC | |
| Constant Current Excitation | 2-10 mA | |
| Spectral Noise @ 10 Hz | 8 µg/√Hz | |
| Spectral Noise @ 100 Hz | 0.82 µg/√Hz | |
| Spectral Noise @ 1000 Hz | 0.3 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 302° F | -50 to 150° C |
| Maximum Shock Protection | 5,000 g, peak | |
| Electromagnetic Sensitivity | CE | |
| Sealing | Welded, Hermetic | |
| **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

| Metric | | | | | | | |
|---|---|---|---|---|---|---|---|
| | AC207-1A (1/4-28 Stud) | AC207-5C (1/4-28 Stud) | - / | ☐☐☐ (armor length in feet) | / | ☐☐☐ (cable length in feet) | - ☐ (termination) |
| | | M/AC207-5C (M6x1 Adapter Stud) | - / | ☐☐☐ (armor length in feet) | / | ☐☐☐ (cable length in feet) | - ☐ (termination) |
| | | | | ☐☐☐M (armor length in meters) | / | ☐☐☐M (cable length in meters) | - ☐ (termination) |

**Cable Termination Options:** E  F  Z 

*Backed by our Unconditional Lifetime Warranty*

- LEFT CLICK & DRAG TO ROTATE MODEL
- RIGHT CLICK & DRAG TO ZOOM
- HOLD BOTH MOUSE BUTTONS TO PAN

# 3D DATA SHEET

2 Pin Connector | Armored Integral Cable

ADOBE® READER® 9.3 RECOMMENDED
(Adobe® Reader® 8 Required)
CLICK TO DOWNLOAD!

CLICK HERE FOR HELP

BACK TO MAIN DATA SHEET