

## CMCP1100C(T) Low Cost Accelerometer with Optional Temperature Output

### Features:

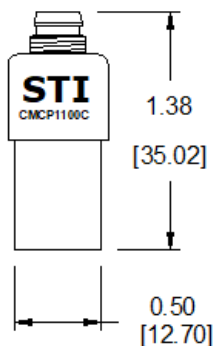
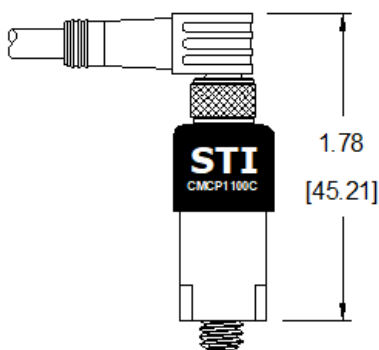


- Sensitivity: 100mV/g  $\pm$ 10% IEPE
- Optional 10 mv/C, 0-100°C Temperature Output
- Small 1/2" Footprint
- Mounting: 1/4"-28 UNF Male
- Frequency Response: ( $\pm$ 3dB): 0.32Hz to 10kHz
- Dimensions: 1.38" H x 0.5" Dia.
- Dynamic Range:  $\pm$ 50 g, peak
- Power Requirements: 18-30 VDC IEPE
- Temperature Range: -65 to 185°F (-54 to 85°C)
- Case Material: 316L Stainless Steel
- Connector: 3 Pin Male Gold Plated M8

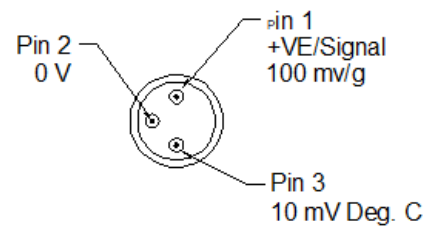
The CMCP1100C(T) Compact M8 Connector Accelerometer is manufactured in house to high quality standards. Each accelerometer is fully enclosed in a potted and waterproof stainless-steel case and has a Nickel-Plated Brass 8 mm Connector. CMCP1100C(T) Accelerometers are always in stock ready for quick delivery. Optional CMCP603C 3-Wire 8 mm Extension Cables in either Straight or Side Exit are available in 5, 10 and 20-meter lengths. Custom Extension Cable lengths are available on request.

### Dimensions:

Shown with CMCP603C Cable Attached



Connection Details



### Typical Applications:

Fans, Motors, Pumps, Compressors, Centrifuges, Conveyors, Air Handlers, Gearboxes, Rolls, Dryers, Presses, Cooling, HVAC, Spindles, Machine Tooling, Process Equipment and many more.

**Technical Performance:**

Sensitivity: 100mV/g  $\pm$ 10%  
 Frequency Response: 0.32 to 10,000 Hz (3 dB)  
 Isolation: Base Isolated  
 Measurement Range:  $\pm$ 50 g  
 Transverse Sensitivity: Less than 5%  
 Optional Temperature: 10 mV/C, 0-100°C (32 to 212°F)

**Electrical:**

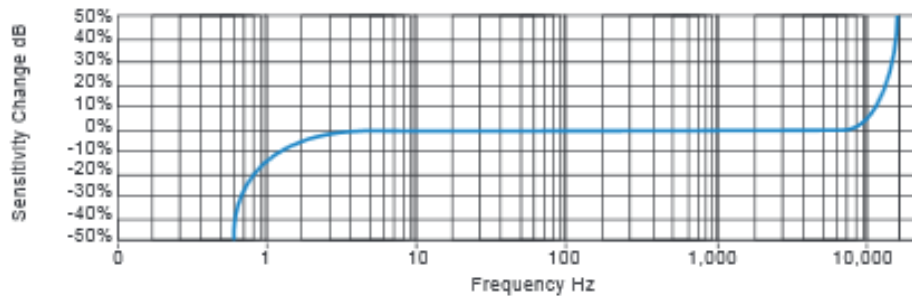
Electrical Noise: 0.1mg max  
 Current Range: 2mA to 20mA IEPE  
 Supply Voltage: 18-28 Vdc IEPE (Constant Current)  
 Bias Voltage: 8.0 to 12.0 VDC  
 Settling Time: 2.5 Second  
 Output Impedance: 100 Ohms max.  
 Case Isolation:  $>10^8$  Ohms at 500 Volts  
 CMCP603C Cable  
 Blue = Acceleration Signal  
 Black = Common  
 Brown = Optional Temperature Output

**Environmental:**

Operating Temperature Range: -65 to 185°F (-54 to 85°C)  
 Sealing: IP67  
 Maximum Shock: 7000 g  
 Approvals: CE Approved

**Mechanical:**

Case Material: 316L Stainless Steel  
 Sensing Element: Shear  
 Mounting Torque: 5.9ft. lbs. (8 Nm)  
 Weight: 2.5 Oz (70.7 grams) with 5 Meter Cable  
 Mounting: 1/4"-28 UNF Mounting Stud (Supplied with Sensor)  
 Mating Connector: 3 Pin Male Gold Plated M8

**Ordering Information:**

CMCP1100C	Accelerometer with M8 Connector
CMCP1100CT	Accelerometer w/M8 Connector and Temperature

**Extension Cable Ordering:**

CMCP603C-X-XX	Straight or Side Exit, 5, 10 or 20 Meter
---------------	--



1010 East Main St. League City, TX 77573 Phone: 281-334-0766 Fax: 281-334-4255  
[www.stiweb.com](http://www.stiweb.com) / [www.stiwebstore.com](http://www.stiwebstore.com)