CMCP760 Series
Biaxial and Triaxial Accelerometers

Features:
- Side Exit Biaxial or Triaxial Accelerometer
- 100mV/g ±10% (Standard, Others Available)
- 1 Second Settling Time
- 0.8Hz to 15kHz (48 to 900k CPM)
- Stainless Steel Case
- 4 Pin M12 Eurofast Connector
- -67 to +266°F (-55 to +130°C) Extended Temperature Range
- ±80g Range (100mV/g Version)
- ¼"-28 UNF Mounting Bolt
- Sealed to IP67

Typical Applications

Technical Performance
Mounted Base Resonance: 20 kHz (1,800k CPM)
Sensitivity: 100mV/g ±10% Nominal 80Hz at 22°C
Frequency Response:
2 Hz to 10 kHz ±5% (120 cpm to 600k cpm)
1.5 Hz to 12 kHz ±10% (90 cpm to 720k cpm)
0.8 Hz to 15 kHz ±3dB (48 cpm to 900k cpm)
Isolation: Base Isolated
Measurement Range: ±80 g
Transverse Sensitivity: Less than 5%

Electrical
Electrical Noise: 0.1mg max
Current Range: 0.5mA to 8mA
Bias Voltage: 10-12 Vdc
Settling Time: 1 Second
Output Impedance: 200 Ohms max.
Case Isolation: >10⁸ Ohms at 500 Volts

Environmental
Operating Temperature Range: -67 to 266°F (-55 to 130°C)
Sealing: IP67
Maximum Shock: 5000 g
Approvals: CE Approved

Mechanical
Case Material: Stainless Steel
Sensing Element: PZT/Shear
Mounting Torque: 5.9ft. lbs (8Nm)
Weight: 6.5 Oz (185 grams)
Mounting: 1/4"-28 UNF Captive Bolt (Supplied with Sensor)
Mating Connector: 4 Pin M12 Eurofast Connector (CMCP605 Series Cables)
Optional Modifications
Non-Stocked Sensitivities: 50mV/g (-050), 250mV/g (-250) and 500mV/g (-500)
Sensitivity specified after base part number (ex. CMCP760X-500)

Dimensions

Typical Frequency Response (at 100mV/g)

Ordering Information:
CMCP760B  Biaxial Accelerometer, ¼”-28 UNF Mounting, 4 Pin M12 Connector, 100mV/g x 2
CMCP760T  Triaxial Accelerometer, ¼”-28 UNF Mounting, 4 Pin M12 Connector, 100mV/g x 3

Alternative Sensitivity Ordering Information:
CMCP760X-XXX Specify Sensitivity in Place of –XXX
50mV/g (-050), 250mV/g (-250) and 500mV/g (-500)

Similar Products:
CMCP1300A
Low Cost Triaxial Accelerometer