CMCP422ATS-IP Series
Loop Powered 4-20mA Acceleration Sensor
Side Exit, IP68 Submersible Cable

Features:
- Loop Powered 4-20mA Output
- Acceleration RMS or Peak
- Side Exit 5m (16’) Braided Armor Integral Cable
- Interfaces Directly to PLC/DCS System
- Two Different Ranges Available
- 10Hz to 5kHz (600 CPM to 300k CPM)
- -13 to 194°F (-25 to 90°C) Temperature Range
- Sealed to IP68

Typical Applications

Technical Performance
Mounted Base Resonance: 10 kHz Min.
Ranges: See Ordering Information Below
Frequency Response: 10 Hz to 5 kHz ± 5%
600 CPM to 300k CPM
ISO 10816
Isolation: Base Isolated with Faraday Cage
Transverse Sensitivity: Less than 5%

Electrical
Output Current: 4-20mA DC Proportional to RMS or Peak Acceleration (g)
Supply Voltage: 15 to 30 VDC
Settling Time: 2 Seconds
Output Impedance: Loop Resistance 600 Ohms Max @ 24VDC
Case Isolation: >10^8 Ohms at 500 Volts

Environmental
Operating Temperature Range: -13 to 194°F (25 to 90°C)
Sealing: IP68
Maximum Shock: 5000 g

Mechanical
Case Material: Stainless Steel
Sensing Element: PZT/Compression Type
Mounting Torque: 5.9 ft. lbs (8Nm)
Weight: 6.5 Oz (185g)
Mounting: 1/4”-28 Captive Bolt
Mating Connector: PUR Jacketed Cable
Dimensions

Connection Details

Typical Frequency Response

Ordering Information:
CMCP422ATS -XX -X -XXX  Description
-01    1 g Full Scale
-02    2 g’s Full Scale
-05    5 g’s Full Scale
-10    10 g’s Full Scale
-R     RMS Detection
-P     Peak Detection
-C     2 Pin MS 5015 Connector
-M12   M12 Eurofast Connector
-IP    Integral PUR Submersible Cable
       Specify Cable Length In Meters After -IP (Ex. -IP20 for 20 Meters)

Similar Products:
CMCP422ATS-XX-X-M12
M12 Eurofast Connector
CMCP422ATS-XX-X-C
2 Pin MS 5015 Connector