

CMCP1000 Dual Limit Single Channel Vibration Monitor

Features

- Solid State Reliability
- Integral Sensor
- Two Levels of Alarm with Relays
- True "OK" Circuitry with Relay
- Adjustable Time Delays
- Trip Multiply
- 4-20mA Output
- Bright LED Digital Readout



Description

The CMCP1000C is a single channel Vibration Monitor with an integral accelerometer packaged in an explosion-proof housing that is suitable for NEC Division I hazardous areas. Designed to comply with rigid API670 standards, the CMCP1000 far exceeds the capabilities of competitive vibration switches.

In addition to the key features listed above, the CMCP1000 offers a buffered transducer output for detailed diagnostics and optional high-pass and low-pass filters to monitor specific frequency bands.

Specifications



Electrical:

Range: English 0-1.0, 0-2.0 in/sec RMS, Metric 0-25, 0-50 mm/sec RMS
 Power: Accepts 110 VAC or 220 VAC, 60 or 50 Hz
 Frequency Response: (-3 dB) 2 Hz to 2 kHz
 Buffered Output: BNC Connector 0-20 kHz
 Accuracy: 0.5 % of Full Scale
 Range Output: 4-20 mA proportional to the full scale range
 Relay output for Alert and Danger alarms
 Maximum Load: 600 Ohms Resistive per channel
 Case: Isolated

Environmental:

Operating Temp.: -20°C to +80°C (-4°F to +176°F)
 Storage Temp.: -55°C to +125°C (-67°F to +257°F)
 Relative Humidity: 0 - 95% Non-Condensing
 Approvals: FM, CSA, UL Class I (BCD), Class II (E,F,G)

Mechanical:

Physical Dimensions: 5.44" W x 5.64" H x 5.9" D
 (138.2mm x 143.26mm x 149.9mm)
 Mounting: 3 Bolt Mount

Ordering Information:

CMCP1000	-XXX	-X	-XXX	Description
	01			0-1 in/sec RMS
	02			0-2 in/sec RMS
	25			0-25 mm/sec RMS
	50			0-50 mm/sec RMS
		-P		Peak Detection
		-R		RMS Detection
			-00	No External Alarm Reset Switch
			-RST	With External Alarm Reset Switch