

Condition Monitoring Custom Products

CMCP1000C 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 CMCP1000C far exceeds the capabilities of competitive vibration switches.

In addition to the key features listed above, the CMCP1000C offers a buffered transducer output for detailed diagnostics and optional high-pass and low-pass filters to monitor specific frequency bands.

Specifications

Power: +24 Vdc at 90mA maximum
 Frequency Response: 2 Hz to 2KHz
 Analog Outputs: 4-20mA proportional to full scale
 Accuracy: 0.5% of full scale range
 Maximum Load: 600 Ohms resistive
 Operating Temperature: -20° C to +80° C
 Relative Humidity: 0-95%, non-condensing
 Dimensions: 6-7/8" W x 6-7/8" H x 5-15/16" D
 Mounting: 2 Bolt Mount (Standard) 5/16" NPT
 Approvals: FM, CSA, UL
 Class I (BCD), Class II (E,F,G) Class III

Ordering Information:

CMCP1000C	-XX	-X	-XX	-XX	Description
	01				0-1 in/sec
	02				0-2 in/sec
	25				0-25.4 mm/sec RMS
	50				0-50.8 mm/sec RMS
		-P			Peak Detection
		-R			RMS Detection
			00		Non Latching
			01		Latching Relays (Includes External Reset Button)
				00	Without Internal Power Supply (DC Powered System)
				01	With Internal 24VDC Power Supply (AC Powered System)