



Sales Technology Inc

Condition Monitoring Custom Products

"Vibration Monitoring and Machine Protection Systems"

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Condition Monitoring Custom Products

CMCP5304 4 Channel General Machinery Monitor



DESCRIPTION

The **CMCP5304** is a four channel Vibration Monitor that has been designed for use on typical rotating machinery such as **motors, pumps fans, turbines, compressors, chillers.**, etc.

The CMCP5304 accepts inputs from any industry standard 100 mV/g accelerometer, condition's the input signals to velocity and provides a digital display and alarm status indication.

Analog outputs (4-20 mA) are provided for each channel for interface to a PLC or DCS for trending, alarm and operator interface.

The CMCP5304 alarm contacts for the OK circuit, and Alert and Danger may be interfaced to machine control and shutdown systems for a complete vibration protection solution.

The system is a pre-wired turn-key package with panduit, power supply, bright LED display, channel selector switch and reset button. The power supply accepts 110 or 220 VAC, 50 or 60 Hz. The CMCP5304 is available in either an English or Metric configuration.

The standard housing is polyester powder coated steel; rated NEMA 12. An optional Stainless Steel enclosure is rated NEMA 4X.

FEATURES

- Two Levels of Alarm with Relays
- True "OK" Circuitry with Relay
- Adjustable Time Delays
- Trip Multiply
- 4-20mA Output
- Buffered Transducer Output
- Reset Button
- Bright LED Digital Readout

Electrical Specifications:

Power: Accepts 110 VAC or 220 VAC, 60 or 50 Hz
 Frequency Response: (-3 dB) 2 Hz to 20 kHz.
 Buffered Output: BNC Connector 0-20 kHz.
 Accuracy: 5.0 % of Full Scale Range.
 Output: 4-20 mA proportional to the full scale range.
 Maximum Load: 600 Ohms Resistive per channel
 Case: Isolated.

Environmental Specifications:

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: NEMA 12, EEMAC, UL508, CSA Type 4, VDE IP66, IEC 529, IP66

Physical Specifications:

Dimensions: 200 mm H x 400 mm W x 150 mm D
 (7.87" H x 15.75" W x 5.90" D)
 Weight: 6.80 Kg (15 lbs)

Ordering Information:

CMCP5304-E	4 Channel, 0-1 in/sec PK
CMCP5304-M	4 Channel, 0-25 mm/sec RMS
CMCP5304-E-SS	4 Channel, 0-1 in/sec PK, Stainless Steel Enclosure
CMCP5304-M-SS	4 Channel, 0-25 mm/sec RMS, Stainless Steel Enclosure
CMCP5304-KEY	Wing Knob Latch with Key
CMCP5304-FOOT	Foot Mounting Kit

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