

## CMCP5301 and CMCP5302 General Machinery Monitor



### System Description:

The **CMCP5301** and **CMCP5302** are one and two channel Vibration Monitors that have been designed for use on typical rotating machinery such as motors, pumps fans, turbines, compressors, chillers., etc.

The CMCP5301 and 5302 accept 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 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 power supply, and bright LED displays. The power supply accepts 110 or 220 VAC, 50 or 60 Hz. They are available in either an English or Metric configuration.

The CMCP5301 and CMCP5302 are also available with any other CMCP500 Series Monitor. The enclosure is a NEMA 4X Fiberglass housing.

For additional information on wiring and installation please refer to the CMCP500 Series Manuals on the STI website.

### 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
- 100mV/g ICP Accelerometer Input
- Class 1 Division 2 Rated Monitors

### 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 4X

### Dimensions:

Width: 7.25"  
 Height: 7.25"  
 Depth: 5.00"

### Ordering Information

CMCP5301		1 Channel Monitoring System
CMCP5302		2 Channel Monitoring System
	-E	0-1.00 In/Sec RMS
	-M	0-25.0 mm/sec RMS

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