

## CMCP420VT-T Dual Parameter 2-Wire Transmitter

### Feature

- Solid State Reliability
- Dual Parameter (Vibration and Temperature)
- Integral Sensor
- 2-Wire Loop Powered (4-20 mA)
- 3/4" NPT for Conduit Connections
- UL and CSA Approved Class 1, Division 2, Group B-D
- CE Approved
- RoHS Compliant

### Description

The CMCP420VT-T is a solid state, loop powered Velocity and Temperature Sensor. It provides a 4-20 mA output that is proportional to overall vibration and temperature in terms of velocity and degrees Celsius. The CMCP420VT-T continuously monitors machinery health and transmits directly into a PLC or DCS for trending, alarm and machine shutdown.

### Simple Installation

Mount the CMCP420VT-T into a tapped hole in the bearing housing or machine case, connect two wires into a 4-20 mA loop, and you are ready to interface with a PLC or DCS. Electrical conduit may be connected directly to the top 3/4" NPT fitting. The CMCP420VT has a 1/4"-28 UNF tapped hole and has a variety of adaptors available.

If the LED display is ordered, it is shipped loose, and is a simple installation.

### Ordering Information: (New)

Part No.	Description
CMCP420VT-T1	0-1.0 in/sec and 0-100 Degrees Celsius
CMCP420VT-T2	0-2.0 in/sec and 0-100 Degrees Celsius



CMCP420VT-T  
CE

### Specifications:

#### Dynamic

Output: 4-20 mA proportional to full scale Velocity  
Frequency Response: 2-2,000 Hz  
Temperature 0-100 Degrees Celsius  
Accuracy: ±5%

#### Electrical

Power (Two wire loop power): + 22 to + 36 Vdc  
Maximum Load: 600 Ohms resistive  
Grounding: Case Isolated

#### Environmental

Operating Temperature: -20° C to +80° C  
Sealed: Epoxy Encapsulated  
Enclosure: SS, NEMA 4, 4X, 12  
Mounting: Stud Mounted 1/4x28 UNF  
Weight: 8 oz. (without display)

#### Classification

UL and CSA Approved Class 1, Division 2, Group B-D  
CE Approved, RoHS Compliant

## CMCP420VT Vibration Transmitter Accessories

### CMCP420-LED - LED Display Retrofit

Displays actual vibration levels in velocity on an easy to read LED display. Includes a BNC connector that provides access to the raw acceleration signal. This is useful for connection to portable data collectors

### CMCP420-BNC - BNC Adapter Retrofit

90 Degree 3/4" NPT conduit elbow with a BNC connector to access the raw acceleration signal. This is useful for connection to portable data collectors

### CMCP420-EL - 90 Degree 3/4" by 3/4" NPT Elbow

Useful for connecting CMCP420VT to hard or flexible conduit. When used with the CMCP420-WF, provides a simple weatherproof exit for the instrument wire.

### CMCP420-WF - 3/4" NPT Weatherproof Cable Fitting

When used with the CMCP420-EL, provides a simple weatherproof exit for the instrument wire.

#### Ordering Information:

Part No.	-XX	Description
CMCP420VT	01	0-1 in/sec (0-25.4 mm/sec) RMS
	02	0-2 in/sec (0-50.8 mm/sec) RMS

Part No.		Description
CMCP420-LED	-XX	CMCP420VT LED Display Retrofit
	-01	0-1 in/sec, RMS
	-02	0-2 in/sec, RMS
	-03	0-25.4 mm/sec, RMS
	-04	0-50.8 mm/sec, RMS

CMCP420-BNC		CMCP420VT BNC Adapter Retrofit
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CMCP420-EL		90 Degree 3/4" x 3/4" NPT Elbow
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CMCP420-WF		3/4" NPT Weatherproof Cable Fitting
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**CMCP420VT with 90 Degree Elbow and Weatherproof Cable Fitting**

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[www.stiwebstore.com](http://www.stiwebstore.com)