



Sales Technology Inc

Condition Monitoring Custom Products

"Vibration Monitoring and Machine Protection Systems"

2911 S. Shore Blvd., Ste. 170, League City, TX 77573 Phone: 281.334.0766 Fax: 281.334.4255

Condition Monitoring Custom Products

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

Simply mount the CMCP420VT-T into a tapped hole in the bearing housing or machine case, connect two wires into a 4-

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



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

www.stiweb.com

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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.		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
	-05	0-100° C
	-06	-32-212° F
CMCP420-EL		90 Degree 3/4" x 3/4" NPT Elbow
CMCP420-WF		3/4" NPT Weatherproof Cable Fitting



CMCP420VT with 90 Degree Elbow and Weatherproof Cable Fitting

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