

OPERATION MANUAL

CMCP420VT Velocity Transmitter

REV. E 5-15-08

Model Description:

The **CMCP420VT** is a 2-wire, loop powered, 4-20mA, RMS Velocity Transmitter. It includes a buffered output for temporary access to the raw vibration signal using portable analysis instruments.

Range:

4-20mA proportional to the full scale velocity range

-01 1"/sec RMS or 25.4 mm/sec RMS

-02 2"/sec RMS or 50.8 mm/sec RMS

Power Requirements

+18 to 36 VDC

R-Load

600 Ohms Max @ $V_s = 22$ to 36 VDC

300 Ohms Max @ $V_s = 18$ VDC

Loop Connections:

Loop + (V+)

Loop - (V-)

Dynamic Output

Dynamic+ (D+)

Dynamic- (D-)

Dynamic Output Terminal D+ with respect to D-

Note: The buffered output is for temporary connection of portable analysis instruments only. Instruments connected to this output must have a minimum input impedance of 1 megohm.

Case:

316 Stainless Steel

Mounting Options:

Supplied with 1/4"-28 and 1/4"-28 to M8 mounting studs

Dimensions:

Case: 2 5/8" H x 1 1/16" W

3/4" NPT Top Fitting

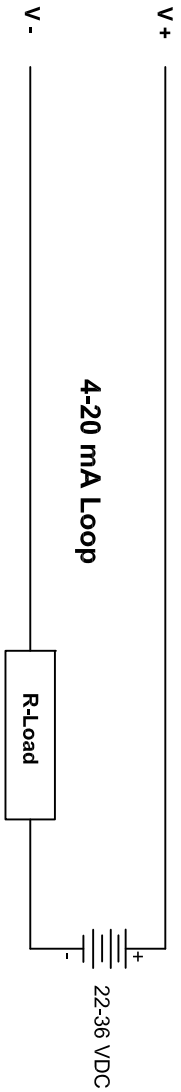
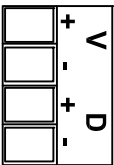
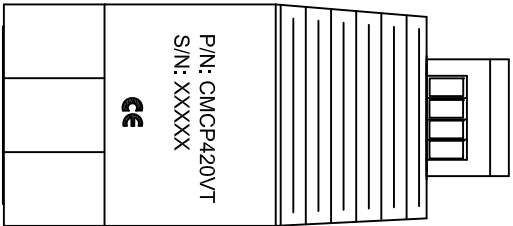
Terminal Strip: 1/2" H

Weight:

8 oz. without Display

8 7 6 5 4 3 2 1

Parameters:	
V	Velocity
D	Dynamic Signal
	4-20mA
	100mV/g



A

B

C

D

8 7 6 5 4 3 2 1

REV.	DATE	DESCRIPTION

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.		TOLERANCES:		ANGLES	
FRACTIONS	DECIMALS	± 1/64	.XX ± 0.01	XXX ± 0.005	± 1.0
			.XXX ± 0.005		
			.XXX ± 0.005		

Sales Technology Inc.
League City, Texas

DATE: 11/15/07
CMCP420 VT Connections

SCALE	NONE	SHEET	1 OF 1
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A

B

C

D