# **OPERATION MANUAL**

## CMCP420VT-T Dual Parameter Loop Powered Transmitter

REV. G 5-19-2010



Hazardous Location Safety E112798 Class 1, Div 2, Group B,C,D 24 VDC, 23 mA Max



## **Model Description:**

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

### Range:

4-20mA proportional to the full scale velocity and temperature range

CMCP420VT-T1 0-1.0 in/sec RMS (0-25.4mm) and 0-100°C (32-212°) CMCP420VT-T2 0-2.0 in/sec RMS (0-50.8mm) and 0-100°C (32-212°)

### **Power Requirements**

+22 to +36 VDC

### **R-Load**

RLmax = 600 Ohms

The Recommended RL for most installations is: 250 Ohms or 100 Ohms, @ Vs = 24 Vdc

# Loop Connections:Dynamic OutputLoop +(V+)Temperature +(T+)Loop -(V-)Temperature -(T-)

### 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









