

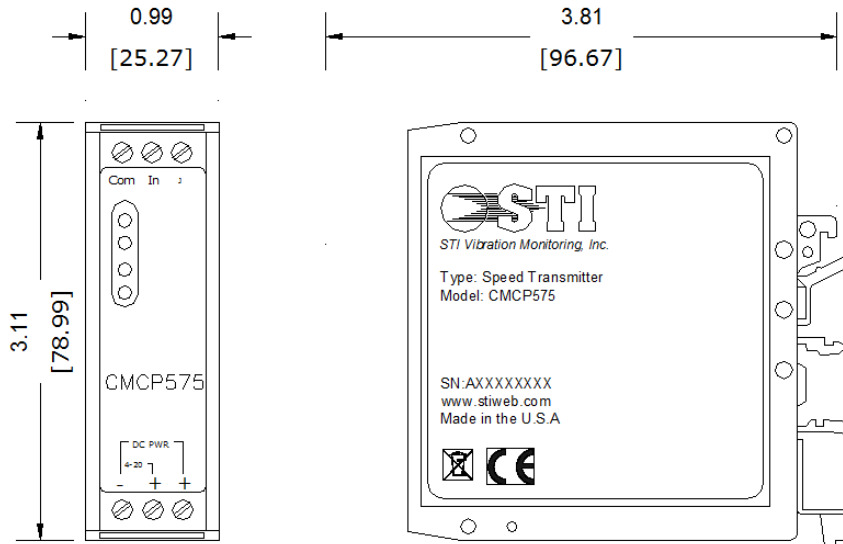
CMCP575 Speed Transmitter



Features:

- Smart Touch Calibration
- 0.031 Hz to 38 KHz Response
- Universal Input including Proximity Probes
- Single or Multiple Events per Turn
- +/-0.1% Accuracy
- 16 Major Ranges Selectable
- Selectable Output (mA or VDC)
- +24 VDC Powered (Low Voltage)
- Low Cost
- Small Size
- Din Rail Mount

The **CMCP575 Speed Transmitters** are compatible with pulse output sensors including Proximity Probes and Hall Effect Sensors. The CMCP575 provides a choice of outputs including 4-20mA and DC Voltage outputs that are proportional to the overall calibrated range. Independent Zero and Span Potentiometers along with Smart Touch Calibration make setup easy. Combining transmitters with an existing PLC or DCS system results in a high density, low cost speed measurement system. Various display options, NEMA and explosion-proof enclosures, and assembled multi-channel systems are available. Consult your sales representative or give us a call.



CMCP575 Speed Transmitter

Specifications:

Input Signals	
Inputs:	10 mV-100 Vrms (0-5kHz) 50 mV to 50 Vrms (1 KHz to 38 KHz) Dry Contact, 2 mA @ 24 VAC Rating
Frequency Range	0-0.031 Hz to 0-38 KHz Full Scale
Major Ranges:	29.3, 58.59, 117.2, 234.4, 468.8, 937.5, 1875, 3750, 7500, 15000, 30000 Hz Adjustable from 50 to 100% of Major Range
Power	15 to 42 VDC, 28 mA Typical, 33 mA max.
Output Signals	
Output Type	4-20 mA DC; 0-20mA DC; 0-10 mA DC; 0-1 mA DC; 1-5 VDC; 0-5 VDC; 0-10 VDC Jumper Selectable
Output Loop Drive Capability	$R(\text{ohm}) = ((V \text{ supply} - 5.0) * 1,000) / I \text{ out max. ma}$
Output Zero (No Input)	Elevated 20% or Zero Based (Jumper Selected)
Performance	
Calibrated Accuracy	+/- 0.1%
Independent Linearity	+/- 0.025%
Repeatability	+/- 0.005% max, +/- 0.002% typ.
Zero TC	+/- 0.005% max, +/- 0.002% typ.
Span TC	+/- 0.005% of span max/C°
Load Effect	+/- 0.005% zero to full load
Output Ripple	10mV P/P Maximum
Response Time	350 milliseconds (10 to 90% step response)
Bandwidth	(-3 db.): 120 Hz output response each major range
Temperature Range	-25° to 185 F° (-31° to 85 F°) operating; -40° to 200 F° (-40° to 200 F°) storage
Power Supply Effect	+/- 0.005% of span, max.
Isolation	Input/output/case: 1000 VDC or 600 VAC

Mechanical	
Electrical Classification	General Purpose
Connection	Screw, Compression Type, Accepts 14 to 24 AWG
Controls	Input SPAN and ZERO Push Buttons Input Hysteresis Potentiometer Output Span and Zero Potentiometers
Mounting	35 mm Din Rail or 32 mm G Rail
Weight	4 oz. (115 grams)
Housing	Rugged Krilen for protection against corrosion, moisture and dust

Ordering Information (Factory Setup):

CMCP575	Factory Default Setup (0-8.33Hz. 1 Event Per Revolution 5,000 RPM Full Scale
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Custom Calibration (Mod Fee Applies):

CMCP575	-XXX	-XXXXX	Speed Transmitter
	-XXX		Specify Events per Turn (Example: 1)
		-XXXXX	Specify Full Scale Range in RPM/CPM (Example: 10000)



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