



CMCP575 Speed Transmitter



- Low Cost
- Din rail mount
- 4-20 mA output
- Optional user programmable scaled output

Description:

The CMCP575 transmitters are compatible with eddy probe and proximity switch inputs, they provide a 4-20 mA output proportional to the overall measurement. Each unit provides power for the associated sensor, processes the signal to determine overall speed, and outputs a 4-20 mA dc current that is proportional to a user specified range such as 0-1,000 RPM. Combining transmitters with an existing PLC or DCS system results in a high density, low cost vibration monitoring system. The PO option allows the user to program the 4-20 scaled output in the field with the touch of a button.

Electrical Specifications:

Power: +24 Vdc @ 45 mA max. (30 mA typical at 2 full scale output).
Accuracy: 0.5 % of Full Scale Range.
Output: 4-20 mA proportional to the full scale range.
Maximum Load: 600 Ohms Resistive.
Case: Isolated.

Environmental Specifications:

Operating Temp.: -20°C to +80°C (-4°F to +176°F).
Storage Temp.: -55°C to +125°C (-67°F to +257°F).
Relative Humidity: 0 - 95% Non-Condensing.

Mounting:

32 mm (G style) or 35 mm (T style) DIN Rail.

Ordering Information

CMCP575-(aa)-(bbb)-(cc)

(aa) Input

- 01, Output From Eddy Current Probe System
- 02, Hall Effect Sensor (Proximity Switch)

(bbb) Counts per Revolution

- 001, 1 Event per Shaft Revolution
- 060, 60 Event per Shaft Revolution
- 120, 120 Event per Shaft Revolution
- XXX, Specify Exact Number of Events

(cc) Full Scale

- 01, 0-1000 RPM
- 02, 0-2000 RPM
- 05, 0-5000 RPM

CMCP575PO-(aa)-(bbb)-(cc)

(aa) Input

- 01, Output From Eddy Current Probe System
- 02, Hall Effect Sensor (Proximity Switch)

(bbb) Counts per Revolution

- 001, 1 Event per Shaft Revolution
- 060, 60 Event per Shaft Revolution
- 120, 120 Event per Shaft Revolution
- Specify, Specify Exact Number of Events

(cc) Full Scale

- 01, 0-1000 RPM
- 02, 0-2000 RPM
- 05, 0-5000 RPM
- XX, Specify Full Scale in RPM's

www.cmcweb.com

Although care has been taken to assure the accuracy of the data compiled in this publication, SKF CMCP does not assume any liability for errors or omissions. SKF CMCP reserves the right to alter any part of this publication without prior notice.

(5/3/01) Copyright © 1999-2001 by SKF CMCP

ALL RIGHTS RESERVED