

CMS100 Series Signal Conditioner

4-20mA Output

Protecting ...

Fans, Motors, Pumps, Compressors, Centrifuges, Conveyors, Air Handlers, Gearboxes, Rolls, Dryers, Presses, Cooling, HVAC, Spindles, machine Tooling, Process Equipment and many more.

Key Features:

- 12.5 mm (.049") Wide
- 24Vdc onboard to power Proximity Probes
- Selectable Detection: RMS, Pk, or Pk to Pk
- Buffered Output on Terminal
- 5 Selectable Ranges
- Field Configurable



Specification	CM110	CM120	CM130
Type	Case Vibration	Relative Vibration	Thrust Position Electronic Temperature
Sensor Type	Accelerometer or Velocity (4mA Constant Current)	Eddy Current Proximity Probe (-24VDC Provided)	Eddy Current Proximity Probe Electronic Temperature
Frequency Response (Selectable)	ISO 10 Hz to 1KHz Or ISO LF 2 Hz to 2 kHz	2 Hz to 10 kHz Or 4 Hz to 10 kHz	DC
Accuracy	1% Full Scale		
Standard Input*	100 mV/g or 100 mV/in/sec (4 mV/mm/sec)	200 mV/mil (7.87 mV/mm)	10, 25 50, 100, 200 mV/mil Proximity Probe 0-5, 0-10, 1-5, 1-6 Vdc 0-125 Vdc (10mV/C Temp)
Selectable Ranges	5, 10, 15, 20, 25 g's 0.5, 1.0, 1.5, 2.0, 2.5 in/sec 12.5, 25, 37.5, 50, 62.5 mm/sec 5, 10, 15, 20, 25 mils 125, 250, 375, 500, 625 µm	5, 10, 20, 25, 50 mils 125, 250, 375, 500, 625, 1300 µm	-8, -12, -16, -18, -20 Vdc +1.25, +4, +5, +10 Vdc
-24Vdc Onboard	No	Yes	Yes
Buffered Output	Active Buffered Output on Screw Terminal		
Signal Detection	RMS or Peak	Peak to Peak	DC
Engineering Units	Imperial or Metric (Selectable)		
Output EU:	Acceleration, Velocity or Displacement	Displacement Mils/µm	Thrust Position Temperature Or as Specified

*Other inputs Sensitivities can be used. Range scales are inversely proportional to standard input sensitivities.



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4-20mA Output

Specification	CM110	CM120	CM130
Outputs	4-20 mA (Source) 600 Ohms Resistive		
Power	+24 Vdc Nominal (22 to 36 Vdc)		
Ok Circuits	LED Indicator and drives 4-20mA Output to <2mA		
Protection	Reverse Polarity and Transient Protection Included		
Power/Ok Indicator	Bipolar LED (Red = Power, Green = Ok)		
Size	99 mm Long x 114.5 mm High x 12.5 mm Wide (3.9 in x 4.51 in x 0.492 in)		
Weight	85 grams (3.0 oz)		
Mounting	35mm Din Rail		
Temperature (Operating)	-20 C to +80 C (-4 F to 176 F)		
Temperature (Storage)	-40 C to +95 C (-40 F to 203 F)		
IP Rating	IP20		
Certifications	CE, RoHS		

How to order:

Part Number	Description
CMS110	Case Vibration
CMS120	Relative Vibration (Proximity Probes)
CMS130	Thrust, Temperature, and DC Functions



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