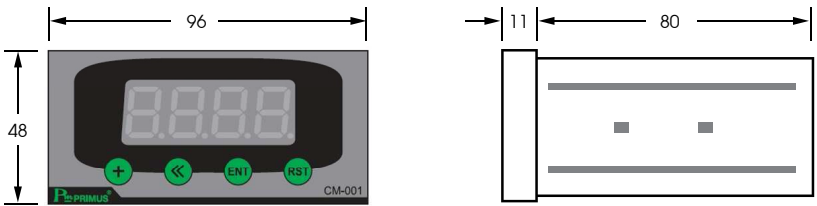




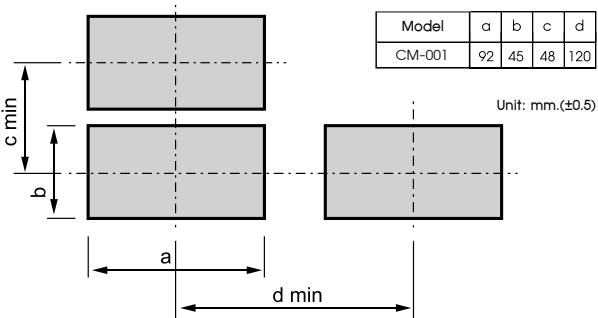
TECHNICAL SPECIFICATION

Model		CM-001
Power Supply		220 VAC ±10 % 50-60 Hz
		12 - 24 VAC/VDC
Power Consumption		3 VA
Display		7-Segment, 4 Digit
		Size 0.56 Inch
Input	Input Type	Photo Switch/Proximity, NPN or PNP
	Measurement Range	6 to 9999 (RPM)
	Accuracy	± 0.5% of Full Scale
	Pulse Setting	1 to 199 per Round (RPM)
	DC Source	12 VDC/50 mA
Ambient Operation	Temperature	-10 °C to 60 °C
	Humidity	85 % RH Non-Condensing
Ambient Storage	Temperature	-20 °C to 80 °C
	Humidity	85 % RH Non-Condensing
Protection Degree	Front Protection Rating	IP52
	Case Protection Rating	IP30
Installation		Panel, Mounting
Material		ABS-V0
Size		48 x 96 x 80 mm.
Weight		290 g.

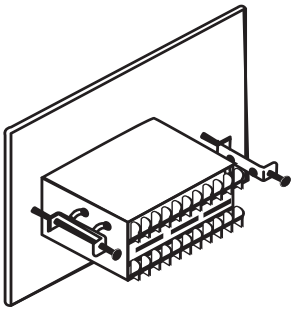
DIMENSION Unit : mm.(±0.5)



CUTTING PANEL



INSTALLATION



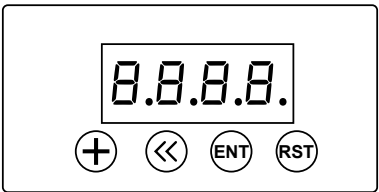
DESCRIPTION

- It is a digital rotational speed measuring instrument, receiving input from a Photo Switch, Proximity NPN or PNP
- Display with 7-segment, 4 digits, size 0.56 inch.

OPERATION

CM-001 is a digital rotational speed measuring instrument, displaying numeric values with a 7-segment display, size 0.56 inch, 4 digits, clearly visible. It is a microcontroller system and can automatically adjust the time base, resulting in fast display response at both low speed and high speed. It is used to display the rotational speed of motors, conveyors, and machinery. It can be programmed to set multiple pulses per one revolution, resulting in detailed and fast measurement at low rotational speeds.

Front panel appearance and functions of the push buttons



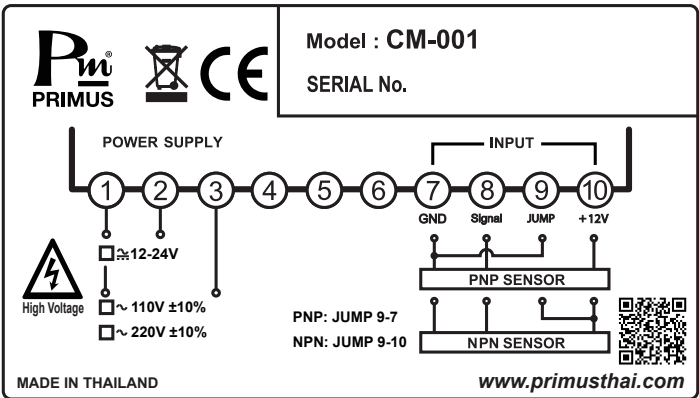
The “+” button is used to increase the value in the Pulse/revolution setting.
The “<<” button is used to move the blinking digit to other positions.
The “ENT” button is used to save the programmed value into memory.
The “RST” button is used to reset the unit.

Display formula

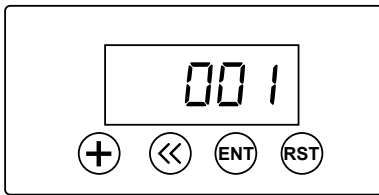
Mode RPM

Display value = $\frac{\text{Actual measured frequency (RPM)}}{(\text{Pulse per revolution value set in the unit})}$

WIRING DIAGRAM



SETTING



Function RPM program setting

Press and hold the ENT button for 2 seconds to set Pulse/revolution. It can be set from 1–199 pulses, with the last 7-segment digit blinking.
Press the “+” button to increase the value at the blinking position from 0–9.
Press the “<<” button to move the position of the digit to be changed.
After completing the Pulse/revolution setting, press the ENT button to save the value.
The display will be ready to show RPM.

ORDERING CODE

CM-001 -		POWER SUPPLY
CODE	POWER SUPPLY	
024	12-24 VAC/VDC	
110	110 VAC	
220	220 VAC	



Pm PRIMUS บริษัท ไพรมัส จำกัด (สาขา 00012)
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