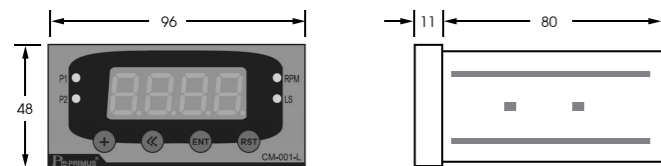




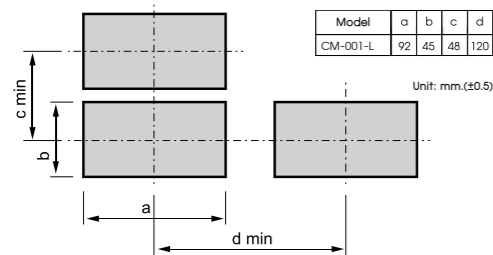
TECHNICAL SPECIFICATION

Model	CM-001-L	
Power Supply	220 VAC ±15 % 50/60 Hz	
	24 VDC ±15 %	
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 and Line Speed)
	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.	

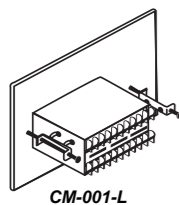
DIMENSION Unit : mm.(±0.5)



CUTTING PANEL



INSTALLATION



DESCRIPTION

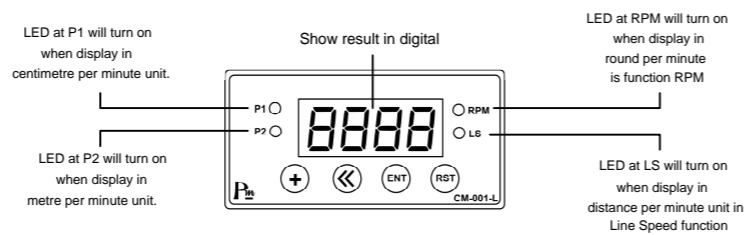
- is Digital RPM and distance measuring device receive Input from Photo Switch, Proximity NPN or PNP.
- Show by 7-Segment 4 digits size 0.56 inche.

OPERATION

CM-001-L is Digital RPM and distance measuring device. show number by 7-Segment red color 4 digits clear vision. Device has microcontroller system can set Time base value automatic so it made result display has quick response in both high speed and low speed. The device can apply for display conveyor machine motor round. And display distance per minute.

CM-001-L will have display function 2 type are RPM which can program to set several pulse in 1 round so it made device measure accurate and fast in low round. Unit of display is round per minute and Line Speed type which can set centimetre to minute. and metre per minute by can press the button choose application program as required.

Front Appearance and Button Function



- Button + Use for increasing Pulse value or cm/round to program.
- Button << Use for moving flash number to other digits in Pulse or cm/round setting.
- Button ENT Use for saving program value to memory unit.
- Button RST Use for resetting the device.

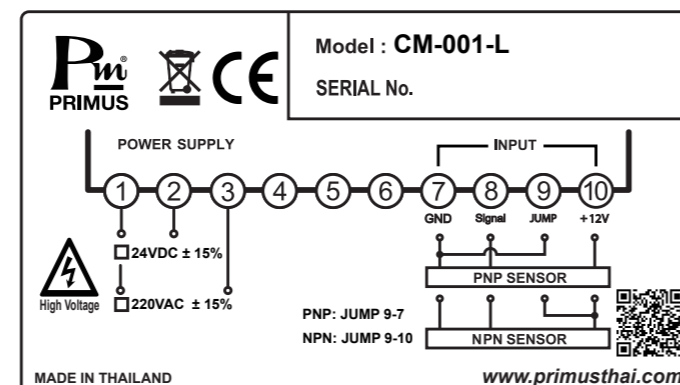
Display Formula

Mode RPM
 Display value = $\frac{\text{Measured Frequency (RPM)}}{\text{(Pulse value / round from device setting)}}$

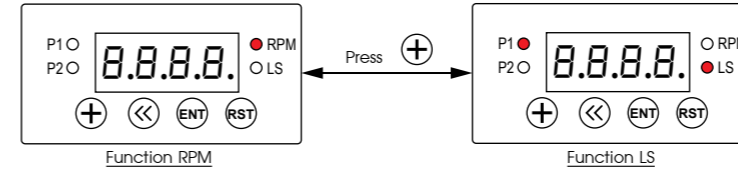
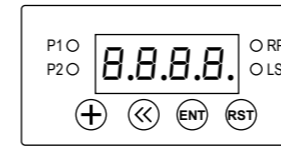
Mode Line Speed

Frpm = Measured Frequency (RPM)
 P = Pulse value / round
 L = Pulse value / round
 Display value = $\frac{\text{Frpm} \times \text{L}}{\text{P}}$

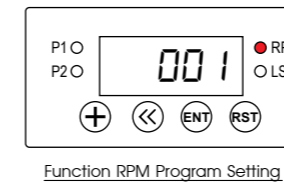
WIRING DIAGRAM



FUNCTION



Press + to choose Function RPM (round per minute) or Function LS (distant per minute) for using program.



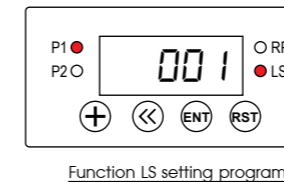
Press + to turn on RPM LED display that device is in RPM function.

Press ENT hold for 2 seconds is Pulse/round setting can set since 1-199 Pulse by there is 7-Segment in last digit is flashing.

Press + for increasing in flashed position are number 1-199 pulse.

Press << for moving position to digit that needs to change value.

When we set Pulse/round completely then press ENT for saving value.



Press + to turn on LS and P1 LED display together that device is in Function LS function.

Press ENT hold for 2 seconds is Pulse/round setting can set 1-999 Pulse by

7-Segment last digit is flashing.

Press + for increasing in position are number since 0-9.

Press << for moving position to digit that needs to change value.

When we set Pulse/round completely then press ENT button for saving value. you will see

when LS and P2 LED display together it shows the setting is centimetre/round.

Since 1-9999 cm/round means when turn motor's shaft 1 round that can do how many cm.

such as when turn shaft 1 round moving distance equal to 25 cm etc. or calculate from display formula.

Press + for increasing cm/round since 0-9

Press << for moving position to digit that needs to change value.

When we set Pulse/round completely then ENT for saving value from setting value the display will shows 1 or 2

How to choose 1 or 2 can do by press + button.

1 is show value as centimetre/minute.

2 is show value as metre/minute.

when we choose display completely then press ENT for saving setting value.

and device is ready to show RPM and LS.

ORDERING CODE

CM-001-L -	POWER SUPPLY
CODE	POWER SUPPLY
024	24VDC ± 15%
220	220VAC ± 15%



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