

# Power Factor Meter

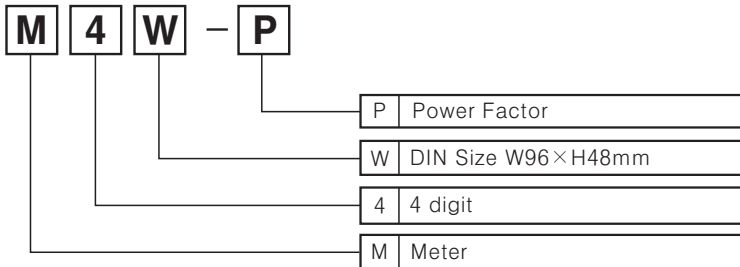
## ■ Features

- Power factor display type (Indicator)
- 4-20mA DC (Power factor converter output specification)
- Display :  $-0.50 \sim 1.00 \sim +0.50$

**⚠ Please read "Caution for your safety" in operation manual before using.**



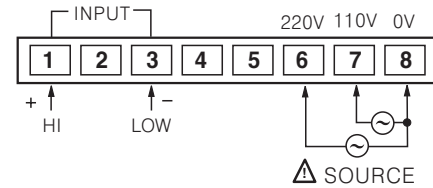
## ■ Ordering information



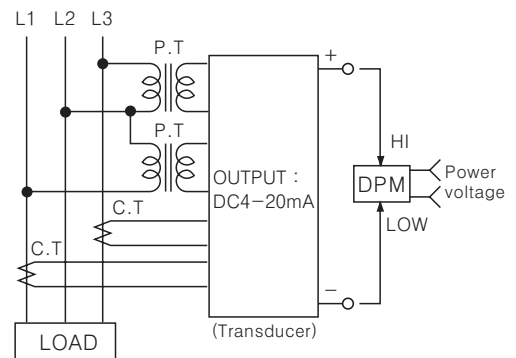
## ■ Specifications

Model	M4W-P	
Measurement function	Measuring power factor ( $\cos \phi$ )	
Display	$-0.50 \sim 1.00 \sim +0.50 \cos \phi$	
Power supply	110/220VAC 50/60Hz	
Allowable voltage range	90 ~ 110% of rated voltage	
Power consumption	4VA	
Display method	7Segment LED Display	
Character height	14.1mm	
Display accuracy	F · S $\pm 0.5\%$ rdg $\pm 1$ digit	
Sampling cycle	300ms	
Response time	2sec. (0 ~ Max.)	
Input	4-20mA DC	
Decimal point	Fixed decimal point	
Insulation resistance	Min. 100M $\Omega$ (at 500VDC)	
Dielectric strength	2000VAC 50/60Hz for 1 minute	
Noise strength	$\pm 1$ kV the square wave noise (pulse width: 1 $\mu$ s) by the noise simulator	
Vibration	Mechanical	0.75mm amplitude at frequency of 10 ~ 55Hz in each of X, Y, Z directions for 1 hour
	Malfunction	0.5mm amplitude at frequency of 10 ~ 55Hz in each of X, Y, Z directions for 10 minutes
Shock	Mechanical	300m/s <sup>2</sup> (30G) in X, Y, Z directions for 3 times
	Malfunction	100m/s <sup>2</sup> (10G) in X, Y, Z directions for 3 times
Ambient temperature	$-10 \sim +50^\circ\text{C}$ (at non-freezing status)	
Storage temperature	$-20 \sim +60^\circ\text{C}$ (at non-freezing status)	
Ambient humidity	35~85%RH	
Weight	Approx. 317g	

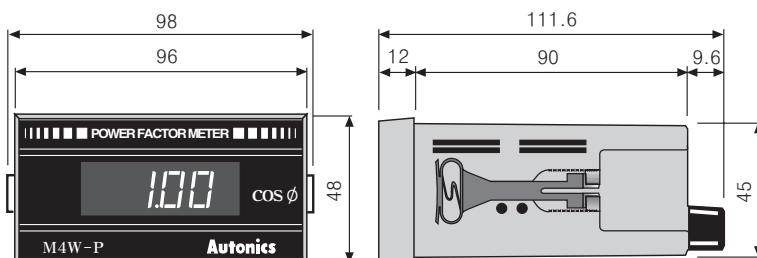
## ■ Connections



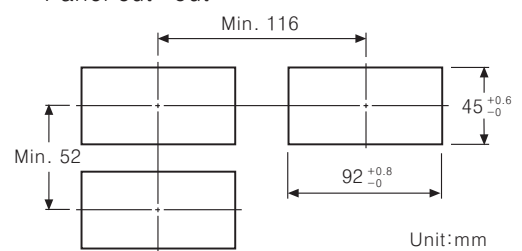
## ■ The application of connection



## ■ Dimensions



### ● Panel cut-out



(A) Counter

(B) Timer

(C) Temp. controller

(D) Power controller

(E) Panel meter

(F) Tacho/Speed/Pulse meter

(G) Display unit

(H) Sensor controller

(I) Proximity sensor

(J) Photo electric sensor

(K) Pressure sensor

(L) Rotary encoder

(M) 5-Phase stepping motor & Driver & Controller