

Panel meter

MP series

Multi panel meter

MP series





FEATURES

- Measuring RMS
- Multi input range
- Wide display range
- 4 digits (-1999~9999)

Panel meter

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SPECIFICATIONS

Model	MP3-B	MP6-B
Appearance		
Dimension (mm)	96(W) x 48(H) x 112(D)	72(W) x 36(H) x 100(D)
Power Supply	100 - 240 V AC (50 - 60 Hz) voltage fluctuation rate $\pm 10\%$	
Power Consumption	5 VA	Approx. 4 VA
Display	7 segment LED Display	
Insulation Resistance	100 M Ω min. (at 500 V DC) between external terminal and case	
Dielectric Strength	2000 V AC min. for 1 minute between external terminal and case	
Noise Immunity	By noise simulator, square-shaped wave noise, pulse width 1 μ s, ± 3000 V	
Vibration Resistance	Malfunction Resistance : 10 - 55 Hz Single amplitude 0.5 mm X·Y·Z each direction for 1 hour Mechanical Durability : 10 - 55 Hz Single amplitude 0.75 mm X·Y·Z each direction for 2 hours	
Shock Resistance	Malfunction Resistance : 100 m/s ² for 3 times each in X·Y·Z direction Mechanical Durability: 300 m/s ² for 3 times each in X·Y·Z direction	
Operating Ambient temperature	-10 ~ +55 °C (with no freezing)	
Operating Ambient Humidity	35 ~ 85 % R.H.	
Operating Circumstance	With no corrosive gas	
Storage Ambient Temperature	-20 ~ 65 °C (with no freezing)	
Relay Life Expectancy	Mechanical: More than 20,000,000 times, Electrical: More than 100,000 times	

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Suffix code

Model	Code					Information
MP3-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Digital multi meter (dimension : 96×48 mm)
Displayable Digits	4					4 digits (9999)
Input type	AV					AC (AC) voltmeter
	AA					AC (AC) ammeter
	DV					DC (DC) voltmeter
	DA					DC (DC) ammeter
	AVR					AC voltmeter (RMS)
	AAR					AC ammeter (RMS)
Output (Optional)	N					Only for displaying
	0					Relay (HI, GO, LO), measured Value output (4 - 20 mA DC)
	1					Relay (HI, GO, LO)
	2					NPN Open collector (HI, GO, LO), BCD output (static)
	3					PNP Open collector (HI, GO, LO), BCD output (static)
	4					NPN Open collector (HI, GO, LO), measured Value output (4-20 mA)
	5					PNP Open collector (HI, GO, LO), measured Value output (4-20 mA)
	6					NPN Open collector (HI, GO, LO), serial output
	7					PNP Open collector (HI, GO, LO), serial output
	8					NPN Open collector (HI, GO, LO), communication (RS485)
	9					PNP Open collector (HI, GO, LO), communication (RS485)
	10					BCD output (dynamic)
11					Relay (HI, GO, LO), RS485 output	
Front panel type		B				Front plane type
						None (100 - 240 V AC 50 - 60 Hz)

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Model	Code					Information
MP6-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Digital multi meter (dimension : 72×36 mm)
Displayable Digits	4					4 digits (9999)
Input type	AV					AC (AC) voltmeter
	AA					AC (AC) ammeter
	DV					DC (DC) voltmeter
	DA					DC (DC) ammeter
	AVR					AC voltmeter (RMS)
	AAR					AC ammeter (RMS)
Output (Optional)	N					Only for displaying
	0					Relay (HI, GO, LO), measured Value output (4 - 20 mA DC)
	1					Relay (HI, GO, LO)
	4					NPN Open collector (HI, GO, LO), measured Value output (4-20 mA)
	5					PNP Open collector (HI, GO, LO), measured Value output (4-20 mA)
Front panel type			B			Front plane type
						None (100 - 240 V AC 50 - 60 Hz)

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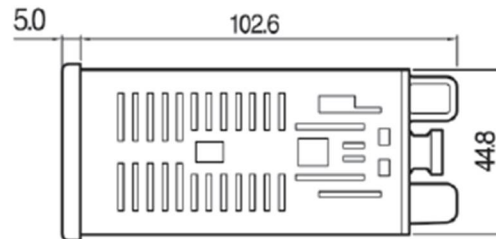
Dimension and panel cutout / connection diagram

MP3 - □□□ B

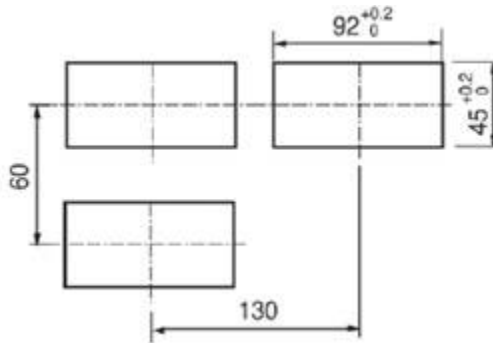
- Dimension (Unit : mm)



- Panel cutout (Unit : mm)



- Panel cutout (Unit : mm)

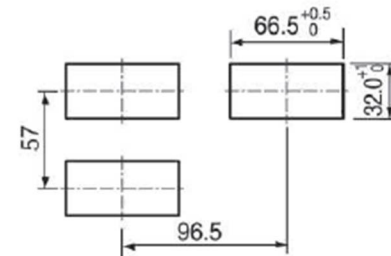
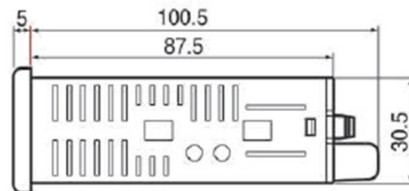


MP6 - □□□ B

- Dimension (Unit : mm)



- Panel cutout (Unit : mm)

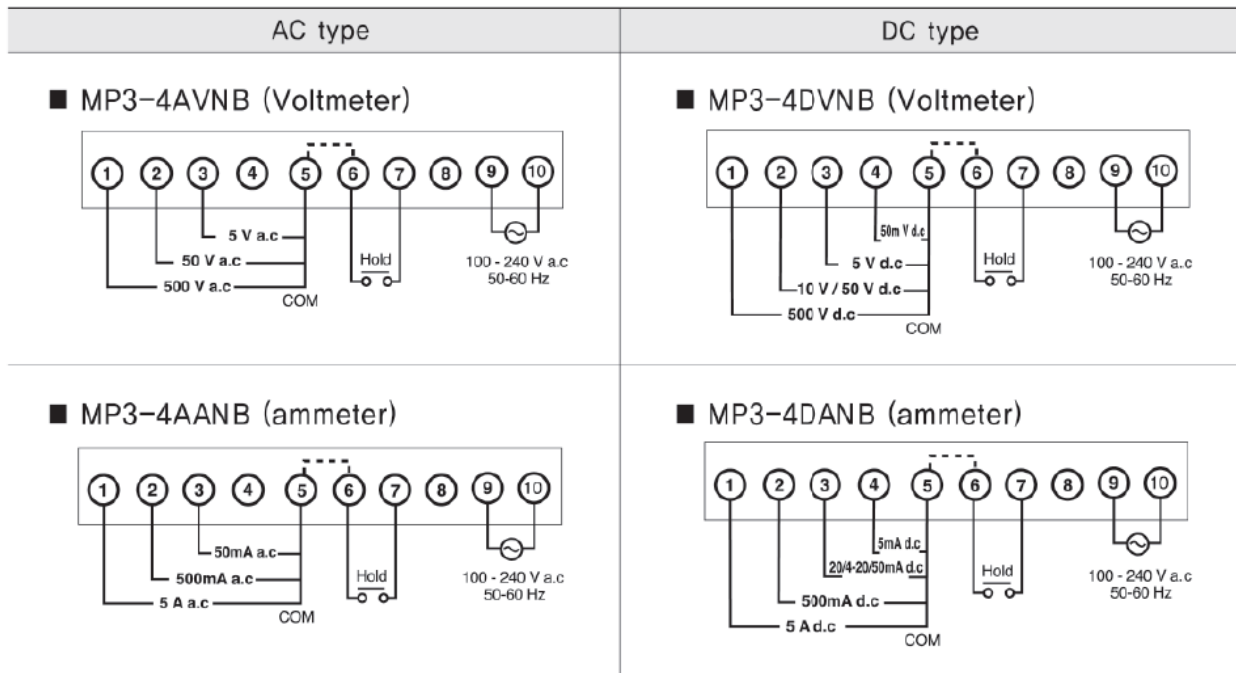


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- Connection diagram

MP3 - 4□NB (Front name plate attachment type)



MP6 - 4□□NB (Front name plate attachment type)

