



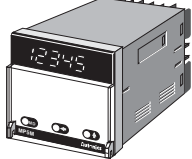
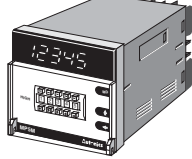
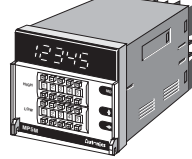


Product Overview

Series	LR5N-B	MP5S	MP5Y	MP5W
Appearances & Dimensions	 [W48×H24×L54mm]	 [W48×H48×L90mm]	 [W72×H36×L102mm]	 [W96×H48×L100mm]
Display method	LCD Zero Blanking type (Height : 8.7mm)	7 segment LED type (Character size:W4mm×H8mm)	7 segment LED type (Character size:W6.8mm×H13.8mm)	
Display range	0 to 10000	-19999 to 99999		
Power supply	Internal lithium battery	100-240VAC 50/60Hz(Allowable voltage range : Max. 90~110%)		
Power for external sensor	—	12VDC ±10%, 80mA		
Input frequency	—	<ul style="list-style-type: none"> • Solid-state input : Max. 50kHz(Min. pulse width : 10μs) • Contact input : Max. 45Hz(Min. pulse width : 11ms) 		
Input specification	[No-voltage input] • Impedance at short-circuit : 10kΩ (ON), residual voltage : Max. 0.5V • Impedance at open-circuit : 500kΩ (OFF) [Voltage input 1] • High:4.5-30V DC, Low:0-2VDC • 3-30VAC [Voltage input 2] 30-240VAC	[Voltage input] Input impedance : 4.5kΩ, High level : 4.5-24VDC, Low level : 0-1.0VDC [No-voltage input] Impedance at short-circuit : Max. 300Ω, Residual voltage at short-circuit : Max. 1V Impedance at open-circuit : Min. 100kΩ	[Voltage input] High level : 4.5-24VDC, Low level : 0-1.0VDC [No-voltage input] Residual voltage at short-circuit : Max. 1V	
Measurement range	1 to 10000RPM, 0.1 to 1000.0RPM 1 to 1000RPS 1 to 1000Hz, 0.1 to 100.0Hz	<ul style="list-style-type: none"> • Mode F1, F2, F7, F8, F9, F10 : 0.0005Hz to 50kHz • Mode F3 : 0.02s to 3,200s • Mode F2, F5, F6 : 0.01s to 3,200s • Mode F11, F12, F13 : 0 to 4 × 10⁹ Count 		
Measurement accuracy	F.S ±0.1% ±1Digit	<ul style="list-style-type: none"> • Mode F1, F2, F7, F8, F9, F10 : F.S. ±0.05% rdg ±1Digit • Mode F3, F4, F5, F6 : F.S. ±0.01% rdg ±1Digit 		
Display period	—	0.05 / 0.5 / 1 / 2 / 4 / 8sec(It is same with period of output update.)		
Prescale function	—	Direct input method(0.0001 × 10 ⁻⁹ to 9.9999 × 10 ⁹)		
Main output	—	—	<ul style="list-style-type: none"> • Relay contact output (Triple output, Quintuple output:5a) • Transistor output (NPN/PNP open collector) 	
Sub output (Transmission)	—	—	<ul style="list-style-type: none"> • Low speed serial output • BCD dynamic output • PV transmission output (DC4-20mA) • RS485 communication output (32channels) 	
Reference	M-2 to 4	M-5 to 27		

Series	MP5M		
Model	MP5M-4N	MP5M-41	MP5M-42
Appearances & Dimensions	 [W72×H72×L113mm]	 [W72×H72×L113mm]	 [W72×H72×L113mm]
Display method	7 segment LED type(Character size:W4mm×H8mm)		
Display range	0.0001 to 99999		
Power supply	100-240VAC 50/60Hz(Allowable voltage range : Max. 90 to 110%)		
Power for external sensor	12VDC ±10%, 80mA		
Input frequency	<ul style="list-style-type: none"> • Solid-state input : Max. 50kHz(Min. pulse width:10μs) • Contact input : Max. 45Hz(Min. pulse width : 11ms) 		
Input specification	[Voltage input] High Level : 4.5-24VDC, Low Level : 0-1.0VDC, Input impedance : 4.5kΩ [No-voltage input] Impedance at short-circuit : Max. 300Ω , Residual voltage at short-circuit : Max. 1V Impedance at open-circuit : Min. 100kΩ		
Measurement range	<ul style="list-style-type: none"> • Mode F1, F2, F7, F8, : 0.0005Hz to 50kHz • Mode F3 : 0.02s to 3,200s • Mode F4, F5, F6 : 0.01s to 3,200s • Mode F9, F10, F11 : 0 to 4 × 10⁹ Count 		
Measurement accuracy	<ul style="list-style-type: none"> • Mode F1, F2, F7, F8 : F.S. ±0.05% rdg ±1Digit • Mode F3, F4, F5, F6 : F.S. ±0.01% rdg ±1Digit 		
Display period	0.05 / 0.5 / 1 / 2 / 4 / 8sec.(It is same with period of output update.)		
Prescale function	Direct input method(0.0001 × 10 ⁻⁹ to 9.9999 × 10 ⁹)		
Main output	<ul style="list-style-type: none"> • High-limit setting type ☞ Contact : 250VAC 3A resistive load 1c, Non-contact : 30VDC min. 100mA (NPN open collector) • High/Low-limit setting type ☞ Contact : Each High/Low-limit 250VAC 3A resistive load 1a, Non-contact : Each High/Low-limit 30VDC max. 100mA (NPN open collector) 		
Reference	M-5 to 27		