

SELECTION GUIDE

TACHO/ SPEED/ PULSE METER

Model	MP5S	MP5Y	MP5W
Appearances & Dimensions	 [W48×H48×L90mm]	 [W72×H36×L102mm]	 [W96×H48×L102mm]
Power supply	100 to 240VAC 50/60Hz(Allowable operation voltage:90 to 110% of rated voltage)		
Power consumption	MP5S-4N : Max. 7.5VA MP5S-42 : Max. 8VA	Max. 3.5VA	Max. 6VA
Power for external sensor		12VDC ±10%, 80mA	
Max. display range		0.0001 to 99999	
Display method		7 Segment LED(Zero Blanking)	
Display cycle		Selectable 0.05 / 0.5 / 1 / 2 / 4 / 8sec.(The same as update output cycle)	
Input specification	[Voltage input] High : 4.5~24VDC, Low : 0~1VDC, Input impedance : 4.5kΩ [No-voltage input] Short-circuit impedance : Max. 300Ω, Residual voltage : Max. 1V, Open-circuit impedance : Min. 100kΩ		
Input frequency		• Solid state input:Max. 50kHz(ON/OFF pulse width:Each over 10μs) • Contact input:Max. 45Hz(ON/OFF pulse width:Each over 11ms)	
Operation mode		Number of revolution/Speed/Frequency(F1), Passing time(F2), Cycle(F3), Passing speed(F4), Time width(F5), Time difference(F6), Absolute rate(F7), Error rate(F8), Density(F9), Error(F10), Measurement(F11), Interval(F12), Integration(F13)	
Various display unit		V, V, mV, mV, kV, A, A, mA, W, VA, kVA, Var, kVar, kW, cm ³ , mm ³ , cm ² , m ³ , mm, cm, m, km, μm, mg, g, kg, g/cm ³ kg/m ³ , sec, min, hour min ⁻¹ , h ⁻¹ , sec.1/100s, sec.1/10s, min.1/100m, min.1/10m, min.s.1/10s, h.s.1/10s, h.mins. h,min.s, h,min.rps, rpm, m/min, m ³ /min, mm/s, m/s ² , rPh, r/s, r/min, r/h, kg/h, ℓ , kℓ , ℓ /s, ℓ /min, ℓ /h, ℓ x, Hz, kHz, t, °C, °F, Ω, kΩ, MΩ, Pa, kPa, Mpa/kgf/mm ² , kgf/cm ² , gf/cm ² , mmHg, mmH ₂ O, TON, G, O, K, S, S , s, rad, cal, kcal, L, kL, L/s, L/min, L/h, N, mN, KN, N m, MN-m, KN-m, J, kJ, m/s, ms, t/h, kg/s, PS, hP, dB, %, cPs, cP, cst, deg, φ-mm, sccm, x10, x100, x1000, PH, PPM,counts	
Prescale function		0.0001 × 10 ⁻⁹ to 9.9999 × 10 ⁹	
Hysteresis		0 to 9999	
Other functions	<ul style="list-style-type: none"> Lock setting function Monitoring delay function Auto-Zero time setting function Time unit selection function Display value monitoring function Memory retention function (Mode F13 only) Comparative output function(H, L) Output mode selection function (S, H, L, B, I, F) Deviation memory function (Mode F only) 	<ul style="list-style-type: none"> Lock setting function Monitoring delay function Auto-Zero time setting function Monitoring function : Memorize Max. value or Min. value Current output range selection (Current output type only) Remote/Local switching function (Communication output type only) Comparative output function (HH, H, GO, L, LL) Time unit selection function Memory retention function (Mode F13 only) Deviation memory function (Mode F only) 	<ul style="list-style-type: none"> Lock setting function Auto-Zero time setting function Monitoring delay function Monitoring function : Memorize Max. value or Min. value Current output range selection (Current output type only) Remote/Local switching function (Communication output type only) Comparative output function (HH, H, GO, L, LL) Data Bank switching function Time unit selection function Memory retention function (Mode F13 only) Deviation memory function (Mode F only)
Output form		<ul style="list-style-type: none"> NPN/PNP open collector output BCD output PV transmission output(4~20mADC) RS485 communication output 	<ul style="list-style-type: none"> Three-stage Relay output Five-stage Relay output NPN Open Collector five-stage output+BCD output PNP Open Collector five-stage output+BCD output NPN Open Collector five-stage output+Low speed serial output PNP Open Collector five-stage output+Low speed serial output NPN Open Collector five-stage output+PV transmission output(4~20mADC) PNP Open Collector Five-stage output+PV transmission output(4~20mADC) NPN Open Collector Five-stage output+RS485 communication output PNP Open Collector Five-stage output+RS485 communication output