




## 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, $\bar{V}$ , mV, $m\bar{V}$ , kV, A, $\bar{A}$ , mA, $m\bar{A}$ , W, VA, kVA, Var, kVar, kW, $cm^2$ , $m^2$ , $mm^2$ , $cm^3$ , $m^3$ , mm, cm, m, km, $\mu m$ , 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.min.s, h.min.rps, rpm, m/min, $m^2/min$ , mm/s, m/s <sup>2</sup> , rPh, r/s, r/min, r/h, kg/h, $\ell$ , $k\ell$ , $\ell/s$ , $\ell/min$ , $\ell/h$ , $\ell \times$ , lx, Hz, kHz, t, °C, °F, $\Omega$ , $k\Omega$ , $M\Omega$ , Pa, kPa, MPa, kgf/mm <sup>2</sup> , kgf-cm, gf-cm, mmHg, mmH <sub>2</sub> O, TON, G, O, K, S, S <sub>r</sub> , 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, $\phi$ -mm, sccm, x10, x100, x1000, PH, PPM, counts		
Prescale function	0.0001×10 <sup>-9</sup> to 9.9999×10 <sup>9</sup>		
Hysteresis	0 to 9999		
Other functions	<ul style="list-style-type: none"><li>• Lock setting function</li><li>• Monitoring delay function</li><li>• Auto-Zero time setting function</li><li>• Time unit selection function</li><li>• Display value monitoring function</li><li>• Memory retention function (Mode F13 only)</li><li>• Comparative output function(H, L)</li><li>• Output mode selection function (S, H, L, B, I, F)</li><li>• Deviation memory function (Mode F only)</li></ul>	<ul style="list-style-type: none"><li>• Lock setting function</li><li>• Monitoring delay function</li><li>• Auto-Zero time setting function</li><li>• Monitoring function : Memorize Max. value or Min. value</li><li>• Current output range selection (Current output type only)</li><li>• Remote/Local switching function (Communication output type only)</li><li>• Comparative output function (HH, H, GO, L, LL)</li><li>• Time unit selection function</li><li>• Memory retention function (Mode F13 only)</li><li>• Deviation memory function (Mode F only)</li></ul>	<ul style="list-style-type: none"><li>• Lock setting function</li><li>• Auto-Zero time setting function</li><li>• Monitoring delay function</li><li>• Monitoring function : Memorize Max. value or Min. value</li><li>• Current output range selection (Current output type only)</li><li>• Remote/Local switching function (Communication output type only)</li><li>• Comparative output function (HH, H, GO, L, LL)</li><li>• Data Bank switching function</li><li>• Time unit selection function</li><li>• Memory retention function (Mode F13 only)</li><li>• Deviation memory function (Mode F only)</li></ul>
Output form	<ul style="list-style-type: none"><li>• NPN/PNP open collector output</li><li>• BCD output</li><li>• PV transmission output(4-20mADC)</li><li>• RS485 communication output</li></ul>		<ul style="list-style-type: none"><li>• Three-stage Relay output</li><li>• Five-stage Relay output</li><li>• NPN Open Collector five-stage output+ BCD output</li><li>• PNP Open Collector five-stage output+ BCD output</li><li>• NPN Open Collector five-stage output+ Low speed serial output</li><li>• PNP Open Collector five-stage output+ Low speed serial output</li><li>• NPN Open Collector five-stage output+ PV transmission output(4-20mADC)</li><li>• PNP Open Collector Five-stage output+ PV transmission output(4-20mADC)</li><li>• NPN Open Collector Five-stage output+ RS485 communication output</li><li>• PNP Open Collector Five-stage output+ RS485 communication output</li></ul>