

Multi Pulse Meter

RP series Multi pulse meter

Specification

Model		RP7	RP3	RP4	RP6	RP1
Appearance						
W X H X D (mm)		72 X 72 X 92	96 X 48 X 105	48 X 48 X 85	72 X 36 X 105	48 X 24 X 100
Function		·Auto Zero time setting function ·Time unit selection function ·Parameter lock function ·Electricity failure compensation function(applicable only to F9) ·Remote/local conversion function (applicable only to communication output type) ·Comparative output function (HH, H, GO, L, LL) ·Current output range selection function ·Max, Min, Peak value 10 steps memory function (Max : 4 steps save, average value save, Min: 4 steps save, average save) ·Starting compensation timer function ·Display cycle setting function				
Power Supply		100 – 240 V a.c. 50 – 60 Hz				
Power Consumption		24 – 60 V d.c./a.c. 50 – 60 Hz				–
		Below 9.5 VA (240 V a.c.)	Below 9.5 VA (240 V a.c.)	Below 12 VA (240 V a.c.)		Below 10 VA (240 V a.c.)
		Below 5 W (24 V d.c.)		Below 6 W (24 V d.c.)	Below 5 W (24 V d.c.)	–
Voltage output for Sensor		12 V d.c. ±10 % 120 mA (voltage fluctuation rate ±10 %)				
Measuring Accuracy		± 0.02 % rdg ±1 digit				
Measurement Range		0.0003 ~ 10 kHz, 0.001 s ~ 3.200 s, 0 ~ 4 x 10 ⁹ Count				
Max. Display Digits		5 Digits (0 ~ 99999)				4 digit (0 ~ 9999)
Display Method		7 Segment				
Input Signal		Non-Contact Input: Max. 10 kHz (ON/OFF width for each above 50 μs)(ON voltage: 4.5 – 24 V, OFF voltage : 0 – 1.0 V) Contact Input: Max. 30 Hz (ON/OFF width for each above 33 ms)(12 V d.c., able to switch the current of 2 mA sufficiently)				
Output type		Relay Output (H, GO, L) (HH, H, GO, L, LL)	Relay Output (H, GO, L) (HH, H,GO, L, LL)	Relay Output (H)	Relay Output (H, GO, L)	Relay Output (H)
Operation Mode		·F1: Revolution/ Frequency/ Speed ·F2: Moving speed ·F3: Cycle ·F4: Passing Time ·F5: Time Difference ·F6: Time Width ·F7: Pulse Width ·F8: Pulse Interval ·F9: Additon Counter				
Noise Immunity		By noise simulator, square-shaped wave noise (pulse width 1μs) ±2000 V				
Vibration	Mechanical Durability	10 – 55 Hz double amplitude width 0.75 mm in each X-Y-Z direction for 2 hours				
	Malfuction Resistance	10 – 55 Hz double amplitude width 0.5 mm in each X-Y-Z direction for 10 minutes				
Shock	Mechanical Durability	300 % (approx. 30G) in each X-Y-Z direction for 3 times				
	Malfuction Resistance	100 % (approx. 10G) in each X-Y-Z direction for 3 times				
Operating Ambient Environment		Temperature: -10 ~ 50 °C (without condensation) Humidity: 35 ~ 85 % RH				

Suffix code

Model	Code	Information
RP	☐ ☐ ☐ ☐	Multi Pulse Meter
Dimension	1	48 (W) x 24 (H)
	3	96 (W) x 48 (H)
	4	48 (W) x 48 (H)
	6	72 (W) x 36 (H)
	7	72 (W) x 72 (H)
Displayable digit	4	4 digits 1 stage (0 – 9999) ※ applicable to RP1
	5	5 digits 1 stage (0 – 99999)
Power specification	A	100 – 240 V a.c. 50 – 60 Hz
	D	24 – 60 V d.c. / a.c. ※ Exception : RP1
Output specification	RP1	H Display Only
		1 Relay 1 stage output (H : High limit output)
	RP3	N Display Only
		1 Relay 3 stages output (H, GO, L)
		2 Relay 5 stages output (HH, H, GO, L, LL)
		4 NPN Open Collector 5 stages output, 4 – 20 mA d.c.(Retransmission output)
	RP4	N Display Only
		1 Relay 1 stage output (H : High limit output)
	RP6	N Display Only
		1 Relay 3 stages output (H, GO, L)
		3 NPN Open Collector 5 stages output, 4 – 20 mA d.c.(Retransmission output)
	RP7	N Display Only
		1 Relay 3 stages output (H, GO, L)
		2 Relay 5 stages output (HH, H, GO, L, LL)
		5 NPN Open Collector 5 stages output, 4 – 20 mA d.c.(Retransmission output)