


Multi Pulse Meter

BP series Multi pulse meter

Specification

Model	BP6	
Appearance		
W X H X D (mm)	72 X 36 X 100	
Function	Auto Zero time setting function, Time unit selection function (Individual input for each bank/ batch input 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), 4 steps bank setting function, 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), Start compensation timer function, Display cycle setting function	
Power Supply	100 – 240 V a.c. 50 – 60 Hz 24 – 60 V d.c./a.c. 50 – 60 Hz	
Power Consumption	Below 10 VA (240 V a.c.) Below 6 W (24 V d.c.)	
Voltage output for Sensor	12 V d.c. $\pm 10\%$ 120 mA (voltage fluctuation rate: $\pm 10\%$)	
Measuring Accuracy	FS $\pm 0.01\%$ rdg ± 1 dig	
Measurement Range	0,0005 Hz \sim 50 kHz, 0,001 s \sim 3,200 s, 0 \sim 4 x 10 Count	
Max. Display Digits	5 digits (-99999 ~ 99999)	
Display method	7 Segment	
Input Signal	Non-Contact Input: Max. 50 kHz (ON/OFF width for each above 10) (ON voltage: 4.5 V – 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)	
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: Addition counte ·F10: absolute ratio ·F11: error ratio ·F12: density ·F13: error	
Noise Immunity	By noise simulator, square-shaped wave noise (pulse width 1) $\pm 2000V$	
Vibration	Mechanical Durability	10 – 55 Hz double amplitude width 0,75 mm in each X-Y-Z direction for 2 hours
	Malfunction 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
	Malfunction Resistance	100 % (approx. 10G) in each X-Y-Z direction for 3 times
Operating Ambient Environment	Temperature: -10 \sim 50 °C (without condensation) Humidity: 35 \sim 85 % R.H.	






Suffix code

Model	Code	Information
BP	<input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Multi pulse meter
Dimension	6	72(W) X 36(H) mm
Displayable digit	5	5 digits (-99999 – 99999)
Power supply voltage	A	100 – 240 V a.c. 50 – 60 Hz
	D	24 – 60 V d.c. / a.c.
Output specification		Main output
	N	Display only
	1	Relay 3 stages output

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	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: Addition Counter				
Noise Immunity	By noise simulator, square-shaped wave noise (pulse width 1 μs) ±2000 V				
Vibration	Mechanical Durability	10 – 55 Hz double amplitude width 0.75 mm in each X:Y:Z direction for 2 hours			
	Malfunction 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			
	Malfunction 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	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Multi Pulse Meter	
Dimension	1	48 (W) × 24 (H)	
	3	96 (W) × 48 (H)	
	4	48 (W) × 48 (H)	
	6	72 (W) × 36 (H)	
	7	72 (W) × 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)
	RP4	4	NPN Open Collector 5 stages output, 4 – 20 mA d.c.(Retransmission output)
		N	Display Only
	RP6	1	Relay 1 stage output (H : High limit output)
		N	Display Only
	RP7	1	Relay 3 stages output (H, GO, L)
		2	Relay 5 stages output (HH, H, GO, L, LL)
		3	NPN Open Collector 5 stages output, 4 – 20 mA d.c.(Retransmission output)
		N	Display Only
		5	NPN Open Collector 5 stages output, 4 – 20 mA d.c.(Retransmission output)