

MICROPROCESS RPM & LINE-SPEED CONTROLLER METER) (48X96mm,PUSHWHEEL TYPE)

MODEL
MMRP



FEATURES

- Accuracy 0.03% F.S.
- Measuring Pulse(TTL,CMOS),Magnetic pick-up signal
- Accepts input rates up to 50KHz
- Dual input math function B-A,B/A,(B/A-1),1-(B/A),B/(A+B)
- Display type of RPM or line-speed can be modified
- Input pulse of revolution can be modified(1~99999 pulse/revolution)
- Two alarm function(optional)
- 16 bit DAC analog output function(optional)
- Digit RS-485 interface function(optional)

1.MODEL:MMRP- ☐ ☐ ☐ ☐ ☐ ☒ X=NIL(alarm relay output)X=T(alarm transistor NPN output)

NO	Input Type	NO	Input Type	NO	Display unit	NO	Alarm output	NO	Analog output	NO	RS-485	NO	Aux.Power
A	Pulse (TTL)(5V)	E	Magnetic pick-up (500mV~15V)	1	RPM	1	One	N	None	N	None	A	AC/DC18~60V
B	Pulse(NPN)(12V)	F	AC2~60V	2	M/min	2	Two	I	DC4~20mA	Y	RS-485	B	AC/DC90~260V
C	Pulse(PNP)(12V)	O	SPECIFIED	3	Y/min	3	Relay contact (AC250V-5A,DC30V-7A)	V	DC0~10V		Modbus mode		Less 4VA for AC/DC input
D	Magnetic pick-up (50mV~1.5V)			4	ft/min	4		T	DC4~20mA		256 nodes on bus		
				9	SPECIFIED	9		R	SPECIFIED				

•Two-wire transmitter (Exciting voltage DC10~36V)

2.SPECIFICATION

- Measuring accuracy :0.03% F.S.(23±5°C)
- Count input type :Jump-pin selectable current sourcing(NPN) or current sinking(PNP)
- Count input trigger levels :High level:V_{IH}=DC4~30V(Pulse)
Low level :V_{IL}=DC0~2V(Pulse)
- Max.count rates :50KHz(50% duty cycle)
- Sampling time :10 cycles/sec.(>10Hz)
f cycles/sec.<10Hz)
- Readout range :0~99999 digit adjustable
- Diameter setting :0 to 9.9999M
- Alarm action :HI or Lo adjustable
- Relay contact output :AC250V-5A,DC30V-7A
- Analog output resolution :16 bit DAC(Isoating)
- Response time :<250ms(0~90%)
- Output drive capability :<10mA for voltage mode
<10V for current mode
<[(V+)-7.5V]/20mA for two-wire mode
- Output ripple(p-p) :<0.1%F.S.
- RS-485 address :"01"~"FF"(0~255)
- RS-485 baud rate :19200/9600/4800/2400 selective
- Display :Red high efficiency LEDs high 10.16mm(0.4")
- Sensor power supply :12VDC ±3%(<60mA)
- Memory mode :Non-volatile E²PROM memory
- Dielectric strength :2KVac/1 min.(input/output/power)
1600Vdc(input/output)
- Operating condition :0~50°C (20 to 90% RH non-condensed)
- Storage condition :0~70°C (20 to 90% RH non-condensed)
- CE EMC Certification :EN 55022:1998/A1:2000 Class A
EN 61000-3-2:2000
EN 61000-3-3:1995/A1:2001
EN55024:1998/A1:2001

3.OUTSIDE DIMENSION AND CONNECTION DIAGRAM

