

# 微電腦型轉速,線速控制錶(指撥開關設定型) (48x96mm) (MICROPROCESS RPM & LINE-SPEED CONTROLLER METER)(PUSHWHEEL TYPE)(48X96mm)

**MODEL  
MMRP**



## ■特點(FEATURES)

- 精確度0.03%滿刻度(Accuracy 0.03% F.S.)
- 可量測直流脈波,磁性感應器信號(Measuring Pulse(TTL,CMOS),Magnetic pick-up signal)
- 最大輸入頻率50KHz(Accepts input rates up to 50KHz)
- 雙輸入運算功能(Dual input math function B-A,B/A,(B/A-1),1-(B/A),B/(A+B))
- 轉速,線速可任意設定(Display type of RPM or line-speed can be modified)
- 感應器輸入脈波數可任意設定1至99999  
(Input pulse of revolution can be modified(1~99999 pulse/revolution))
- 2組警報功能(Two alarm function)(optional)
- 16 BIT 類比輸出功能(16 bit DAC analog output function)(optional)
- 數位RS-485界面(Digit RS-485 interface function)(optional)

## 1.MODEL:MMRP-□□□□□□□□□□ X=NIL (non-maximum hold function),X=M(Maximum hold function) (選購型號)

NO	Input Type	NO	Input Type	NO	Display unit	NO	Alarm output	NO	Alarm output	NO	Analog output	NO	RS-485	NO	Aux.Power
A	Pulse(TTL)(5V)	E	Magnetic pick-up (500mV~15V)	1	RPM	0	None	3	One (Transmitter NPN)	N	None	N	None	A	AC/DC18~60V
B	Pulse(NPN)(12V)	F	AC2~60V	2	M/min	1	One(Relay)	4	Two (Transmitter NPN)	I	DC4~20mA	Y	RS-485	B	AC/DC90~260V
C	Pulse(PNP)(12V)	O	SPECIFIED	3	Y/min	2	Two(Relay)	Transistor output (Photo couple of open-collector,Max.DC30V/40mA)		V	DC0~10V	Modbus mode 256 nodes on bus		Less 4VA for AC/DC input	
D	Magnetic pick-up (50mV~1.5V)			4	ft/min	2	Relay contact (AC250V-5A,DC30V-7A)			T	DC4~20mA				
				9	SPECIFIED					R	SPECIFIED				

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

## 2.SPECIFICATION(主要規格)

- Measuring accuracy (精確度) :0.03% F.S.(23 5°C)
- Count input type (脈波輸入型式) :Jump-pin selectable current sourcing(NPN) or current sinking(PNP)
- Count input trigger levels (脈波觸發電位) :High level:VIH=DC4~30V(Pulse)  
Low level:VIL=DC0~2V(Pulse)
- Max.count rates (最高輸入頻率) :50KHz(50% duty cycle)
- Sampling time (取樣時間) :10 cycles/sec.(>10Hz)  
f cycles/sec.(<10Hz)
- Readout range (顯示值範圍) :0~99999 digit adjustable
- Diameter setting (直徑設定範圍) :0 to 9.9999M
- Alarm action (繼電器動作方向) :HI or Lo adjustable
- Relay contact output (繼電器容量) :AC250V-5A,DC30V-7A
- Analog output resolution (類比輸出解析度) :16 bit DAC(Isoating)
- Response time (輸出反應速度) :<250ms(0~90%)
- Output drive capability (輸出負載能力) :<10mA for voltage mode  
<10V for current mode  
<[(V+)-7.5V]/20mA for two-wire mode
- Output ripple(p-p) (輸出之漣波) :<0.1%F.S.
- RS-485 address (通訊位址) :“01”~“FF”(0~255)
- RS-485 baud rate (傳輸速度) :19200/9600/4800/2400 selective
- Display (顯示幕) :Red high efficiency LEDs high 10.16mm(0.4")
- Sensor power supply (感應器電源) :12VDC ±3%(<60mA)
- Memory mode (記憶型式) :Non-volatile E<sup>2</sup>PROM memory
- Dielectric strength (絕緣耐壓能力) :2KVac/1 min.(input/output/power)  
1600Vdc(input/output)
- Operating condition (使用環境條件) :0~50°C (20 to 90% RH non-condensed)
- Storage condition (存放環境條件) :0~70°C (20 to 90% RH non-condensed)
- CE EMC Certification (CE 認證) :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 (外型尺寸與開孔尺寸與配線圖)

