

# 微電腦型雙輸入轉速,線速控制電錶(48x96mm)

(MICROPROCESS DUAL INPUT RPM & LINE-SPEED CONTROLLER METER,48X96mm)

**MODEL  
MMRD**



## ■特點(FEATURES)

- 精確度0.03%滿刻度(Accuracy 0.03% F.S.)
- 可同時量測與顯示兩組直流脈波,磁性感應器信號輸入 (Dual input measuring and display Pulse(TTL,CMOS),Magnetic pick-up signal)
- 最大輸入頻率25KHz(Accepts input rates up to 25KHz)
- 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組獨立警報功能(Two independent 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:MMRD-

(選購型號)

NO	Input Type	NO	Input 1 Alarm	NO	Input 2 Alarm	NO	Analog output	NO	RS-485	NO	Aux.POWER
A	Pulse(TTL)(5V)	0	None	0	None	N	None	N	None	A	AC/DC18~60V
B	Pulse(NPN)(12V)	1	One(Relay)	1	One(Relay)	I	DC4~20mA	Y	RS-485	B	AC/DC90~260V
C	Pulse(PNP)(12V)	2	Two(Relay)	2	Two(Relay)	V	DC0~10V				
D	Magnetic pick-up(30mV~30V)	3	One(Transistor NPN)	3	One(Transistor NPN)	T	•DC4~20mA		•Modbus mode •256 nodes on bus		•Less 4VA for AC/DC input
F	AC50~600V	4	Two(Transistor NPN)	4	Two(Transistor NPN)	R	SPECIFIED				
O	SPECIFIED		•Relay contact(AC250V-5A,DC30V-7A)				•Two-wire transmitter output (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: V<sub>IH</sub>=DC4~30V(Pulse)  
High level: V<sub>IH</sub>=AC30mV~30V(Magnetic pick-up)  
Low level: V<sub>IL</sub>=DC0~2V(Pulse)  
Low level: V<sub>IL</sub>=AC0~20mV(Magnetic pick-up)
- Max.count rates (最高輸入頻率): 25KHz
- Sampling time (取樣時間): <1KHz(AC50~600V)  
f cycles/sec.(>10Hz)  
f cycles/sec.(<10Hz)
- Readout(compare) range (顯示值(比較)範圍): 0~99999 digit adjustable
- Diameter setting (直徑設定範圍): 0.0001 to 9.9999M
- Alarm action (繼電器動作方向): HI or Lo adjustable
- Transistor output (電晶體輸出容量): Photo couple of open-collector(Max.DC30V/40mA)
- 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): "00"~"FF"(0~255)
- RS-485 baud rate (傳輸速度): 38400/19200/9600/4800/2400 selective
- Display (顯示幕): Red high efficiency LEDs high 10.18mm(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)

