

微電腦型多功能轉速，線速控制錶(顯示幕0.8",48x96x85mm) (MULTI-FUNCTION MICROPROCESS RPM & LINE-SPEED CONTROLLER METER) (PULSE INPUT)

**MODEL
MMRH**



■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 200KHz(Accepts input rates up to 200KHz)
- 計數速度50/500/200000脈波/每秒可選擇(Accept input rates 50/500/200000 CPS can be modified)
- 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(Input pulse of revolution can be modified (1~99999pulse/revolution))
- 4 組警報功能(Four alarm function)(optional)
- 16 BIT 類比輸出功能(16 bit DAC analog output function)(optional)
- 數位RS-485介面(Digit RS-485 interface function)(optional)

1:MODEL:MMRH- X=NIL(non-maximum hold function),X=M(maximum hold function)
(選購型號)

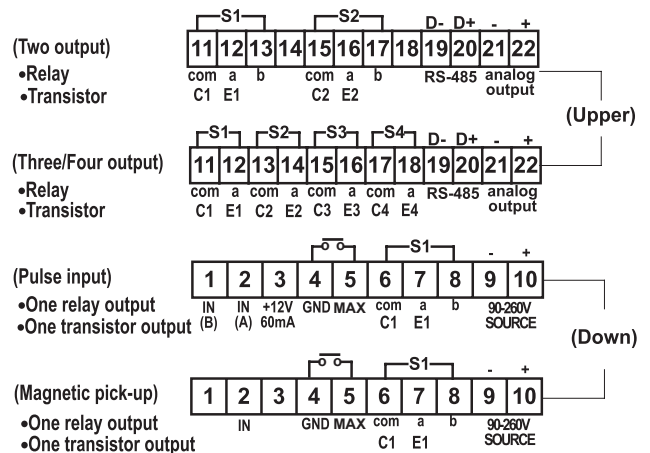
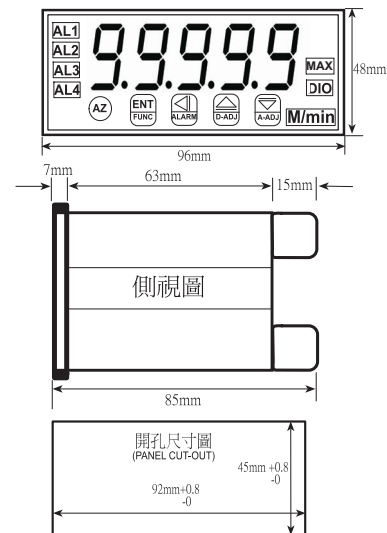
NO	Input Type	NO	Alarm output	NO	Alarm output	NO	Analog output	NO	RS-485	NO	Aux.POWER
A	Pulse (TTL) (5V)	0	None	5	One (Transistor NPN)	N	None	N	None	A	AC/DC18~60V
B	Pulse (NPN) (12V)	1	One (Relay)	6	Two (Transistor NPN)	I	DC4~20mA	Y	RS-485	B	AC/DC90~260V
C	Pulse (PNP) (12V)	2	Two (Relay)	7	Three(Transistor NPN)	V	DC0~10V	•Modbus mode •256 nodes on bus		•Less 4VA for AC/DC input	
D	Magnetic pick-up(30mV~30V)	3	Three(Relay)	8	Four(Transistor NPN)	T	•DC4~20mA				
F	AC50~600V	4	Four(Relay)	•Transistor output(Photo couple of open-collector,Max.DC30V/40mA)		R	SPECIFIED				
O	SPECIFIED	•Relay contact(AC250V-5A,DC30V-7A)		•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: V_{IH}=DC4~30V(pulse)
High level: V_{IH}=AC30mV~30V(Magnetic pick-up)
Low level: V_{IL}=DC0~2V(pulse)
Low level: V_{IL}=AC0mV~20mV(Magnetic pick-up)
- Max.count rates (最高輸入頻率) : <200KHz (One input type)
<100KHz (Two input type)
<1KHz (Magnetic pick-up/AC50~600V)
- Sampling time (取樣時間) : 10 cycles/sec. (>10Hz)
f cycles/sec. (<10Hz)
- Readout (compare)range (顯示值(比較)範圍) : -19999~99999 digit adjustable
- Diameter setting (直徑設定範圍) : 0 to 9.9999M
- Alarm action (警報動作方向) : HI or Lo adjustable
- Transistor output type (電晶體輸出形式) : Photo couple of open-collector (Max.DC30V/40mA)
- Relay contact output (繼電器容量) : AC 250V-5A, DC 30V-7A
- Analog output resolution (類比輸出解析度) : 16 bit DAC (isolating)
- 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) : 38400/19200/9600/4800/2400 selective
- Display (顯示幕) : Red high efficiency LEDs high 14.22mm (0.56")
- Sensor power supply (感應器電源) : 12VDC±3%(<60mA)
- Memory mode (記憶方式) : Non-volatile E² PROM memory
- Dielectric strength (絕緣耐壓能力) : 2KVac/1 min. (input/power/display)
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
EN 55024:1998/A1:2001

3:OUTSIDE DIMENSION AND CONNECTION DIAGRAM

(外型尺寸與開孔尺寸與配線圖)



- Note1:One alarm output only down terminal
- Note2:One input is useful input A
- Note3:Maximum hold function(pin 4 and pin 5 is connection)