

# 微電腦型轉速, 線速控制錶

( MICROPROCESS RPM & LINE-SPEED CONTROLLER METER ) ( PULSE INPUT )

MODEL  
MRS-S



## ■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)
- 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 (1~99999 pulse/revolution))
- 多檔類比輸出切換功能 (Multiplier bank analog output function)
- 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介面 (Digit RS-485 interface function) (optional)

## 1: MODEL: MRS-S (選購型號)

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	0	None	N	None	N	None	A	AC/DC 18~60V
B	Pulse (NPN) (12V)	F	AC 2~60V	2	M/min	1	One	I	DC 4~20mA	Y	RS-485	B	AC/DC 90~260V
C	Pulse (PNP) (12V)	O	SPECIFIED	3	Y/min	2	Two	V	DC 0~10V		Modbus mode		Less 4VA for AC/DC input
D	Magnetic pick-up (50mV~1.5V)			4	f t/min		Relay contact (AC 250V-5A, DC 30V-7A)	T	DC 4~20mA				
				9	SPECIFIED			R	SPECIFIED				

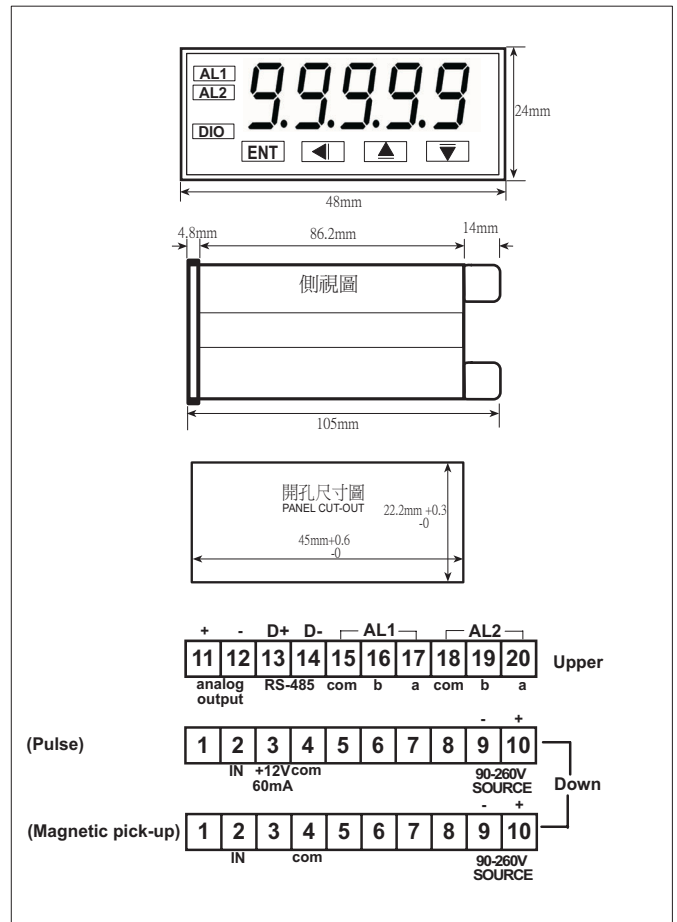
\*Two-wire transmitter (Exciting voltage DC10~36V)

## 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) : HI bias (CMOS) (V<sub>IH</sub>=7.5V, V<sub>IL</sub>=5.5V) LO bias (TTL) (V<sub>IH</sub>=3.7V, V<sub>IL</sub>=2.0V)
- 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)
- Over input indication (過載顯示) : " doFL "
- Readout range (顯示值範圍) : 0 to 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) : AC 250V-2.5A, DC 30V-5A
- 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) : 19200/9600/4800/2400 selective
- RS-485 protocol (通信協議) : Modbus RTU mode
- Display (顯示幕) : Red high efficiency LEDs high 10.16mm (0.4")
- Parameter setting (參數設方式) : Touch switches
- Sensor power supply (感應器電源) : 12VDC±3% (<50mA)
- Memory mode (記憶方式) : Non-volatile E<sup>2</sup> PROM memory
- Dielectric strength (絕緣耐壓能力) : 1.5KVac/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)



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