

# 微電腦型雙輸入轉速, 線速運算型控制電錶

( MICROPROCESS DUAL INPUT RPM & LINE-SPEED MATHS CONTROLLER METER )

MODEL  
MMX-R



## 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)
- 雙輸入運算功能 (Dual input math function B-A, B/A, (B/A)-1, 1-(B/A), B/(A+B))
- 最大輸入頻率 30KHz (Accepts input rates up to 30KHz)
- 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))
- 2 組警報功能 (Two alarm function) (optional)
- 15 BIT 類比輸出功能 (15 bit DAC analog output function) (optional)
- 數位RS-485介面 (Digit RS-485 interface function) (optional)

## 1: MODEL: MMX-R (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/DC18-60V
B	Pulse (NPN) (12V)	F	AC2-60V	2	M/min	1	One	I	DC4-20mA	Y	RS-485	B	AC/DC90-260V
C	Pulse (PNP) (12V)	O	SPECIFIED	3	Y/min	2	Two	V	DC0-10V		Modbus mode		Less 4VA for AC/DC input
D	Magnetic pick-up(50mV-1.5V)			4	f t/min		Relay contact (AC250V-5A, DC30V-7A)	T	DC4-20mA		256 nodes on bus		
				9	SPECIFIED			R	SPECIFIED		Two-wire transmitter (Exciting voltage DC10-36V)		

## 2: SPECIFICATION (主要規格)

- Measuring accuracy : 0.03% F.S. (23 ± 5 )  
(精確度)
- Count input type : Switch selectable current sourcing(NPN)  
(脈波輸入型式) or current sinking (PNP)
- Count input trigger levels : HI bias (CMOS) (V<sub>IH</sub>=7.5V, V<sub>IL</sub>=5.5V)  
(脈波觸發電位) LO bias (TTL) (V<sub>IH</sub>=3.7V, V<sub>IL</sub>=2.0V)
- Max. count rates : 30KHz (50% duty cycle)  
(最高輸入頻率)
- Sampling time : 10 cycles/sec. (>10Hz)  
(取樣時間) f cycles/sec. (<10Hz)
- Over input indication : " doFL "  
(過載顯示)
- Readout range : -19999 to 99999 digit adjustable  
(顯示值範圍)
- Diameter setting : 0 to 9.9999M  
(直徑設定範圍)
- Alarm action : HI or Lo adjustable  
(繼電器動作方向)
- Relay contact output : AC 250V-5A, DC 30V-7A  
(繼電器容量)
- Analog output resolution : 15 bit DAC (isolating)  
(類比輸出解析度)
- Response time : < 250ms(0-90%)  
(輸出反應速度)
- Output drive capability : < 10mA for voltage mode  
(輸出負載能力) < 10V for current mode  
< [(V+)-7.5V]/20mA for two-wire mode
- Output ripple (p-p) : < 0.1% F.S.  
(輸出之漣波)
- RS-485 address : "01"-"FF"  
(通訊位址)
- RS-485 baud rate : 19200/9600/4800/2400 selective  
(傳輸速度)
- Display : Red high efficiency LEDs high 14.22mm (.56")  
(顯示幕)
- Sensor power supply : 12VDC ± 3%(<60mA)  
(感應器電源)
- Memory mode : Non-volatile E<sup>2</sup> PROM memory  
(記憶方式)
- Dielectric strength : 2KVac/1 min. (input/power/display)  
(絕緣耐壓能力) 1600Vdc (input/output)
- Operating condition : 0-50 (20 to 90% RH non-condensed)  
(使用環境條件)
- Storage condition : 0-70 (20 to 90% RH non-condensed)  
(存放環境條件)
- CE EMC Certification : EN 55022:1998/A1:2000 Class A  
(CE認證) 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)

