

# 5位數微電腦型盤面式控制電錶(顯示幕0.8",48x96x85mm) (MICROPROCESS PANEL CONTROLLER METER)(DISPLAY 0.8",48x96x85mm)

**MODEL  
MM3**



## ■特點(FEATURES)

- 精確度0.05%滿刻度±1位數(Accuracy 0.05% F.S.±1digit)
- 可量測 交直流電流/交直流電壓/電位計/傳送器/Pt-100/熱電偶/荷重元/電阻 等信號  
(Measuring DCA/DCV/ACA/ACV/Potentiometer/Transmitter/Pt-100/Thermocouple/Load Cell/Resistor/etc.....)
- 顯示範圍-19999~99999可任意規劃(Programmable rate -19999~99999 digit)
- 具有自動歸零與保持與最大值保持功能(Auto zero and hold and maximum hold function)
- 4組警報功能(Max. four alarm function)(optional)
- 16BIT 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:MM3-□□□-□□□□-□ X=NIL(sampling time 16 cycles/sec.), X=H(sampling time 200 cycles/sec.)  
(選購型號)

NO	Input Type	NO	DCV(ACV)	NO	DCA(ACA)	NO	Potentiometer	NO	Load Cell	NO	Thermocouple	NO	Alarm output	NO	Analog output	NO	RS-485	NO	Aux. Power
A	DC	11	0~50mV	21	0~99.999uA	31	0~10%	61	2mV/V	71	J(-200~760)°C	0	None	0	None	N	None	A	AC/DC18~60V
B	AC(RMS)	12	0~5V	22	0~999.99uA	32	0~50%	62	3mV/V	72	K(-200~1360)°C	1	One	1	DC4~20mA	Y	RS-485	B	AC/DC90~260V
C	AC(TRMS)	13	0~10V	23	0~9.9999mA	33	0~100%	63	2mV/V	73	T(-200~395)°C	2	Two	2	DC0~10V	•Modbus mode •256 nodes on bus		• Less 4VA for AC/DC input	
D	Potentiometer	14	0~36V	24	0~99.999mA	34	5~95%	64	3mV/V	74	E(-185~990)°C	3	Three	3	•DC4~20mA				
E	Transmitter	15	0~54V	25	0~999.99mA	39	SPECIFIED	69	SPECIFIED	75	R(0~1760)°C	4	Four	9	SPECIFIED				
F	Pt-100(RTD)	16	0~110V	26	0~2.0000A	Three wire Connection Exciting voltage 2.5V(<10mA)		•61/62 Exciting DC5V(<50mA) •63/64 Exciting DC10V(<50mA)		76	S(0~1750)°C	•Relay contact (AC250V-5A DC30V-7A)		•Two-wire transmitter (Exciting voltage DC10~36V)					
G	Thermocouple	17	0~600V	27	0~5.0000A					77	B(200~1800)°C					•CJC traceability <±0.5°C(0~70°C)			
H	Load Cell	18	0~1000V	28	0~10.000A														
R	Resistor	19	SPECIFIED	29	SPECIFIED														

## 2.SPECIFICATION (主要規格)

- Measuring accuracy (精確度) : 0.05% F.S.±1 digit (23±5°C) 0.2% F.S.±1 digit(AC(RMS)) 0.2% F.S.±0.5°C(CJC)(Thermocouple)
- Sampling time (取樣時間) : 16 cycles/sec.(General type) 200 cycles/sec.(High speed type)
- Readout range (顯示值範圍) : -19999~99999 digit adjustable
- Alarm delay time (繼電器延遲動作時間) : 0~99.9 second adjustable
- Alarm action (繼電器動作方向) : HI or Lo adjustable
- 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
- 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
- Temp. coefficient (溫度係數) : 50ppm/°C (0~50°C)
- Display (顯示幕) : Red high efficiency LEDs high 20.32mm(0.8")
- Parameter setting (參數設定方式) : Touch switches
- 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) 1600 Vdc (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)

