

# 直流多功能集合式電錶 ( MULTI-FUNCTION DC METER )

MODEL  
MM2D-DT



## ■特點(FEATURES)

- 精確度0.03%滿刻度±1位數(Accuracy 0.03% F.S.±1 digit)
- 可同時量測與顯示直流電壓/電流/瓦特(仟瓦)/瓦特小時(仟瓦小時)  
(Measuring and display DCV/DCA/W/KW/WH/KWH)
- 顯示範圍0至99999(瞬間量)0至9999999999(十位數累積量)可任意規劃  
(Programmable rate 0 to 99999 digit(rate), 0 to 9999999999 digit(totalizer))
- 4組警報功能(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:MM2D-DT (選購型號)

NO	DCV Input	NO	DCA Input	NO	Alarm output	NO	Analog output	NO	RS-485 output	NO	Aux. Power
1	0~10V	1	0~50mV(SHUNT)	N	None	0	None	N	None	A	AC/DC18~60V
2	0~20V	2	0~200mA	Y	YES	1	DC4~20mA	Y	RS-485	B	AC/DC90~260V
3	0~50V	3	0~2A	•YES=Four alarm		2	DC0~10V	•Modbus mode		•Less 4VA for AC/DC input	
4	0~100V	4	0~5A	•Relay contact(AC250V-5A, DC30V-7A)		3	•DC4~20mA	•256 nodes on bus			
5	0~300V	5	0~10A			9	SPECIFIED				
9	SPECIFIED	9	SPECIFIED			•Two-wire transmitter					

## 2.SPECIFICATION (主要規格)

- Measuring accuracy : 0.03% F.S.±1 digit(DCV)  
(精確度)(23±5°C) 0.05% F.S.±1 digit(DCA/W/KW/WH/KWH)
- Sampling time : 10 cycles/sec.  
(取樣時間)
- Readout range : 0~99999 digit adjustable(rate)  
(顯示值範圍) 0~9999999999 digit adjustable(totalizer)
- Alarm delay time : 0~99.9 second adjustable  
(繼電器延遲動作時間)
- 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 : 16 bit DAC  
(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  
(Exciing DC10~36V)
- Output ripple (p-p) : < 0.1% F.S.  
(輸出之漣波)
- RS-485 address : "01"~"FF"(0~255)  
(通訊位址)
- RS-485 baud rate : 19200/9600/4800/2400 selective  
(傳輸速度)
- RS-485 protocol : Modbus RTU mode  
(通信協議)
- Temp. coefficient : 30ppm/°C (0~50°C)  
(溫度係數)
- Display : Red high efficiency LEDs high 10.18mm(0.4")  
(顯示幕)
- Parameter setting : Touch keys  
(參數設定方式)
- Memory mode : Non-volatile E<sup>2</sup> PROM memory  
(記憶型式)
- Dielectric strength : 2KVac/1 min. (input1/input2/output/power)  
(絕緣耐壓能力) 1600 Vdc (input/output)
- Operating condition : 0~50°C (20 to 90% RH non-condensed)  
(使用環境條件)
- Storage condition : 0~70°C (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)

