

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

MODEL  
MM2D-DTT



## ■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-19999至99999(五位數瞬間量)-1999999999至9999999999(十位數累積量)  
(Programmable rate -19999 to 99999 digit(rate),-1999999999 to 9999999999 digit(totalizer))
- 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界面(Digit RS-485 interface function)(optional)

## 1. MODEL:MM2D-DTT

(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 •Relay contact(AC250V-5A, DC30V-7A)		2	DC0~10V	•Modbus mode •256 nodes on bus		•Less 4VA for AC/DC input	
4	0~100V	4	0~±5A			3	•DC4~20mA				
5	0~300V	5	0~±10A			9	SPECIFIED				
9	SPECIFIED	9	SPECIFIED			•Two-wire transmitter					

## 2. SPECIFICATION(主要規格)

- Measuring accuracy (精確度)(23±5°C) :0.03%F.S.±1 digit(DCV)  
0.05%F.S.±1 digit(DCA/W/KW/WH/KWH)
- Sampling time (取樣時間) :10 cycles/sec.
- Readout range (顯示值範圍) :-19999~99999 digit adjustable(rate)  
-1999999999~9999999999 digit adjustable(totalizer)
- 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) :AC250V-5A,DC30V-7A
- Analog output resolution (類比輸出解析度) :16 bit DAC
- Response time (輸出反應時間) :<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) (輸出漣波) :<0.1% F.S.
- RS-485 address (通訊位址) :"00"~"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) :30ppm/°C (0~50°C)
- Display (顯示幕) :Red high efficiency LEDs high 10.18mm(0.4")
- 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)  
1.5KV/1 min. (input2/output/power)
- 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  
EN55024:1998/A1:2001

## 3. OUTSIDE DIMENSION AND CONNECTION DIAGRAM

(外型尺寸與開孔尺寸與配線圖)

