

# 多功能集合式電力電錶(96x96mm)

## (MULTI-FUNCTION POWER METER ,96x96mm)

**MODEL  
MMP-2**



### ■特點(FEATURES)

- 精確度 $\pm 0.25\%$ 滿刻度(Accuracy  $\pm 0.25\%$  F.S.)
- 可同時量測與顯示交流相電壓,線電壓,電流,實功率,虛功率,功率因素,頻率,仟瓦小時,需量(Measuring and display ACV/ACA/Watt/Var/Power factor/Frequency/KWH/DM(Demand))
- 交流電壓,電流,實功率,虛功率皆為真正有效值(ACV/ACA/Watt/Var for ture RMS)
- 輸入配線系統可任意選擇(Input measurement network can be selectives(1 $\phi$ 2W/1 $\phi$ 3W/3 $\phi$ 3W/3 $\phi$ 4W))
- CT比與PT比可任意設定(1至9999)(CT rate/PT rate can be modified(1 to 9999))
- 2組警報控制功能(Two alarm control function)(optional)
- 2組脈波輸出功能(Two pulse output function)(optional)
- 數位RS-485界面(Digit RS-485 interface function)(Optional)

### 1.MODEL:MMP-2-

(選購型號)

NO	Alarm Output	NO	Pulse Output	NO	RS-485	NO	Aux. Power
N	None	N	None	N	None	A	AC/DC18~60V
R	Two-Relay	Y	Two-Pulse	Y	RS-485	B	AC/DC90~260V
P	Two-Pulse		•Pulse is open-collector		•Modbus mode		•Less 4VA for AC/DC input

### 2.SPECIFICATION (主要規格)

- Measuring accuracy :  $\pm 0.25\%$  F.S.(V,A,W,Var,PF,KWH)  
(精確度)(23 $\pm 5^{\circ}$ C)  $\pm 0.05\%$  F.S.(Frequency)
- Input burden : <0.15VA (Voltage/ Current)  
(輸入負載)
- Maximum input over : Current related input: 3 x rated continuous  
(最大過載能力) 10 x rated 30 sec. 25 x rated 3 sec. 50 x rated 1 sec.  
Voltage related input:750V
- Over input indication : "doFL"  
(過載顯示)
- Sampling time : 1 cycles/second(total)  
(取樣時間)
- Measurement range : AC voltage (60~600V)  
(輸入範圍) AC current (0.05~5A)  
AC frequency(45.00~65.00Hz)
- Scanning mode : Auto or manual can be selective  
(掃瞄模式) (Auto:chang page/10 second)
- Readout/compare range : -9999~+9999 digit (V,A,W,Var,HZ,PF)  
(顯示與比較值範圍) 0~999999999+FWD/REV (KWH/KQH)
- CT/PT rate : 1~9999 adjustable  
(CT/PT 比值)
- Alarm delay time : 0~ $\pm 999$  second adjustable  
(繼電器延遲動作時間)
- Pulse output type : Standard open-collector(Max.DC60V/120mA)  
(脈波輸出形式)
- Relay contact output : AC 250V-5A, DC 30V-7A  
(繼電器容量)
- Pulse output/KWH : 0.001/0.01/0.1/1/10/100/1000 selective  
(脈波輸出數量KWH)
- RS-485 address : "00"~"FF"(0~255)  
(通訊位址)
- RS-485 baud rate : 38400/19200/9600/4800/2400 selective  
(傳輸速度)
- RS-485 protocol : Modbus RTU mode  
(通信協議)
- Temp. coefficient : 50ppm/ $^{\circ}$ C (0~60 $^{\circ}$ C)  
(溫度係數)
- Display : Red high efficiency LEDs high 14.22mm(0.56")  
(顯示幕) Red high efficiency LEDs high 10.16mm(0.4")(KWH)
- Parameter setting : Touch switches  
(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. (input/output/power)  
(絕緣耐壓能力)
- Surge test : ANSI c37.90a/1974,DIN-IEC 255-4  
(突波測試) impulse voltage 4KV(1.2x50us)
- Operating condition : 0~50 $^{\circ}$ C (20 to 90% RH non-condensed)  
(使用環境條件)
- Storage condition : 0~70 $^{\circ}$ 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)

