

簡易型多功能集合式電力電錶(48x96mm)

(SLIMMED-DOWN TYPE MULTI-FUNCTION POWER METER ,48x96mm)

MODEL
MMP-3S



■特點(FEATURES)

- 精確度 $\pm 0.15\%$ 滿刻度(Accuracy $\pm 0.15\%$ F.S.)
- 可同時量測與顯示交流電壓/電流/千瓦特(頻率/功率因素)仟瓦特小時
(Measuring and display ACV/ACA/KW(Frequency/Power Factor)KWH)
- 交流電壓,電流,瓦特皆為真正有效值(TRMS)(ACA/ACV/Watt for True RMS)
- 輸入配線系統可任意選擇(Input measurement network can be selectives(1 ϕ 2W/1 ϕ 3W/3 ϕ 3W/3 ϕ 4W))
- CT比(1~9999)與PT比(1.0~999.9)可任意設定(CT rate(1~9999)/PT rate(1.0~999.9)can be modified)
- 3組警報控制功能(Three alarm control function)(optional)
- 數位RS-485界面(Digit RS-485 interface function)(Optional)

1.MODEL:MMP-3S-

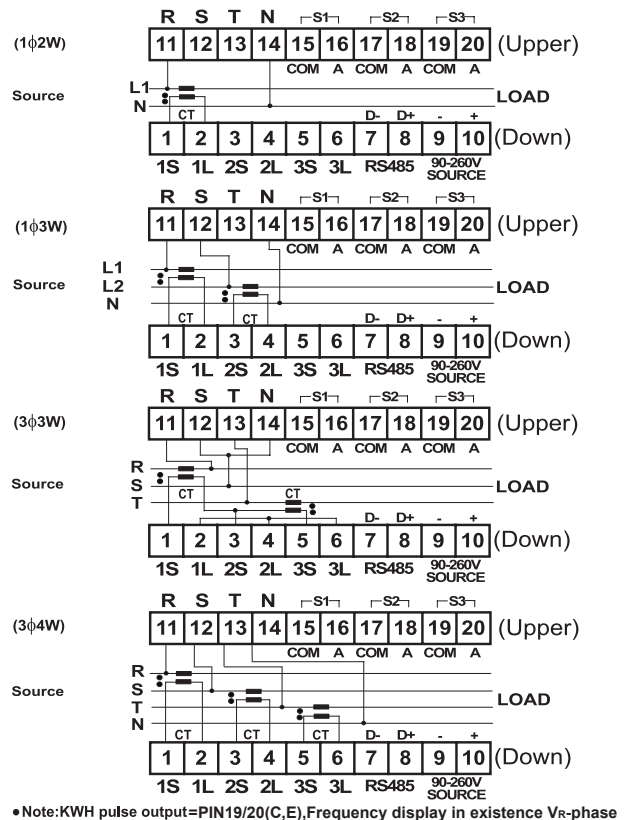
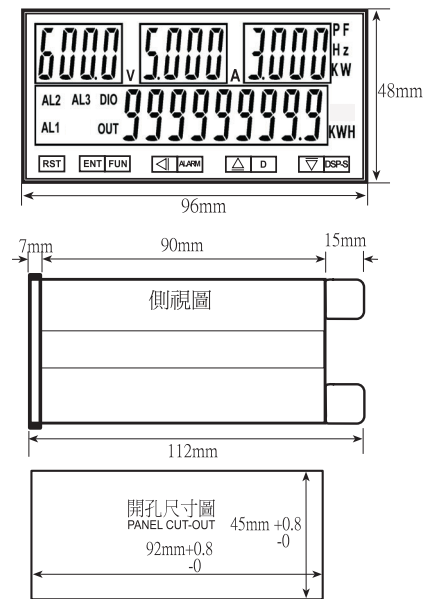
(選購型號)

NO	Alarm Output	NO	Alarm+Pulse O/P	NO	RS-485	NO	Aux. Power
N	None	S	Two-Relay+ •One-Pulse	N	None	A	AC/DC18~60V
R	Three-Relay			Y	RS-485	B	AC/DC90~260V
P	Three-Pulse		•When S3=KWH O/P		•Modbus mode		•Less 4VA for AC/DC input

2.SPECIFICATION (主要規格)

- Measuring accuracy : $\pm 0.15\%$ F.S.(V,A,F)
(精確度)($23 \pm 5^\circ\text{C}$) $\pm 0.5\%$ F.S.(KW,KWH,PF)
- Input burden : $< 0.15\text{VA}$ (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 (3~500V)
(輸入範圍) AC current (0.025~5A)
AC frequency(45.00~65.00Hz)
- Readout/compare range : 0~9999(V,A,KW,PF,Hz)
(顯示與比較值範圍) 0~999999999(KWH)
- CT/PT rate : 1~9999 adjustable(CT)
(CT/PT 比值) 1.0~999.9 adjustable(PT)
- Alarm delay time : 0~ ± 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 adress : "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 : 50ppm/ $^\circ\text{C}$ (0~50 $^\circ\text{C}$)
(溫度係數)
- Display : Bight Red LEDs high 10.16mm(0.4")
(顯示幕)
- Parameter setting : Touch switches
(參數設定方式)
- Memory mode : Non-volatile E² 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 $^\circ\text{C}$ (20 to 90% RH non-condensed)
(使用環境條件)
- Storage condition : 0~70 $^\circ\text{C}$ (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)



•Note:KWH pulse output=PIN19/20(C,E),Frequency display in existence V_r-phase