

MULTI-FUNCTION POWER METER ,48x96mm

MODEL
MMP-3



■FEATURES

- Accuracy $\pm 0.25\%$ F.S.
- Measuring ACV/ACA/Watt/Var/Power factor/Frequency/KWH
- ACV/ACA/Watt/Var for true RMS
- Input measurement network can be selective (1 ϕ 2W/1 ϕ 3W/3 ϕ 3W/3 ϕ 4W)
- CT rate/PT rate can be modified (1 to 9999)
- Manual or auto scanning mode can be modified
- Three alarm control function (optional)
- Digit RS-485 interface function (Optional)

1. MODEL: MMP-3-

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/DC 18~60V
R	Three-Relay			Y	RS-485	B	AC/DC 90~260V
P	Three-Pulse		•When S3=KWH O/P		•Modbus mode		•Less 4VA for AC/DC input

2. SPECIFICATION

- Measuring accuracy (23 \pm 5 $^{\circ}$ C) : $\pm 0.25\%$ F.S. (V, A, W, Var, PF, KWH)
 $\pm 0.05\%$ F.S. (Frequency)
- Input burden : < 0.2VA (Voltage/ Current)
- Maximum input over : Current related input: 3 x rated continuous
10 x rated 30 sec. 25 x rated 3 sec. 50 x rated 1 sec.
Voltage related input: 750V
- Over input indication : "doFL"
- Sampling time : 1 cycles/second (total)
- Measurement range : AC voltage (60~600V)
AC current (0.05~5A)
AC frequency (45.00~65.00Hz)
- Scanning mode : Auto or manual can be selective
(Auto: change page/5 second)
- CT/PT rate : 1~9999 adjustable
- Alarm delay time : 0~ \pm 999 second adjustable
- Pulse output type : Standard open-collector (Max. DC 60V/120mA)
- Relay contact output : AC 250V-5A, DC 30V-7A
- Pulse output/KWH : 0.001/0.01/0.1/1/10/100/1000 selective
- RS-485 address : "01"~"FF" (0~255)
- RS-485 baud rate : 38400/19200/9600/4800/2400 selective
- RS-485 protocol : Modbus RTU mode
- Temp. coefficient : 50ppm/ $^{\circ}$ C (0~60 $^{\circ}$ C)
- Display : Red high efficiency LEDs high 7.0mm (0.28")
- Parameter setting : Touch switches
- Memory mode : Non-volatile E² PROM memory
- Dielectric strength : 2KVac/1 min. (input/output/power)
- Surge test : ANSI c37.90a/1974, DIN-IEC 255-4
impulse voltage 4KV (1.2x50us)
- Operating condition : 0~50 $^{\circ}$ C (20 to 90% RH non-condensed)
- Storage condition : 0~70 $^{\circ}$ C (20 to 90% RH non-condensed)
- CE EMC Certification : 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

