

MULTI-FUNCTION POWER METER (1φ2W)

MODEL
MMP-1



■FEATURES

- Accuracy 0.1% F.S.
- Measuring and display ACV/ACA/W(KW)/Power Factor/Frequency/WH(KWH)
- ACA/ACV/Watt for True RMS
- Surge test 4KV(1.2x50us)
- Four alarm control function (optional)
- Digit RS-485 interface function (optional)
- 16 bit DAC analog output function (optional)

1.MODEL:MMP-1

NO	Input Voltage	NO	Input Current	NO	Alarm Output	NO	Analog Output	NO	RS-485 Output	NO	Aux. Power
1	AC0~99.99V	1	AC0~2A/10A	N	None	N	None	N	None	A	AC/DC18~60V
2	AC0~300.0V	2	AC0~5A	Y	Four	I	DC4~20mA	Y	RS-485	B	AC/DC90~260V
3	AC0~600.0V	9	SPECIFIED	•Relay contact (AC250V-5A,DC30V-7A)		V	DC0~10V	•Modbus mode •256 nodes on bus		• Less 3VA for AC/DC input	
9	SPECIFIED					R	SPECIFIED				

2.SPECIFICATION

- Measuring accuracy : 0.1% F.S.(W(WH)/KW(KWH)/Frequency) (23±5°C)
0.2% F.S.(V/A/P.F.)
- Input burden : <0.15VA (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
- Readout range : 0~9999 digit (ACA/ACV/Frequency)
-1999~9999 digit (W/KW/P.F.)
0~99999999.9 digit (WH/KWH)
- Sampling time : 1 cycles/second
- Measurement range : AC Voltage (0.2%~100%)/AC Current (0.2%~100%)
Frequency(45~65Hz)(Input 0.2%~100% for AC Voltage)
- Analog output resolution: 16 bit DAC(isolating)
- Output drive capability : < 10mA for voltage mode
< 10V for current mode
- Relay contact output : AC 250V-5A, DC 30V-7A
- Alarm delay time : 0~999 second adjustable
- RS-485 adress : "01"~"FF"(0~255)
- RS-485 baud rate : 38400/19200/9600/4800/2400 selective
- RS-485 protocol : Modbus RTU mode
- Temp. coefficient : 50ppm/°C (0~60°C)
- Display : Bight Red LEDs high 10.16mm(0.4")
- 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°C (20 to 90% RH non-condensed)
- Storage condition : 0~70°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

