

MICROPROCESS AC MULTI-POWER METER (1 ϕ 2W)

MODEL
MMX-P1



■ FEATURES



- Accuracy 0.25% F.S. ± 1 digit (ACA/ACV/WATT/VA)
- Measuring ACA/ACV/Frequency/WATT(power factor or Apparent power)
- ACA/ACV/WATT for True RMS
- ACA/WATT decimal point can be modified
- W or KW scale can be modified
- CT rate can be modified(1 to 999)
- Dielectric strength 2KVac/1 min.(input/output/power)
- Surge test 4KV(1.2x50us)
- Digit RS-485 interface function)(Optional)

1:MODEL:MMX-P1-□ □ □ □

| NO | Input Voltage | NO | Input Current | NO | RS-485 | NO | Aux.Power |
|----|---------------|----|---------------|----|--------|----|--------------|
| 1 | AC0~300.0V | 2 | AC0~5A | N | None | A | AC/DC18~60V |
| 2 | AC0~600.0V | 3 | AC0~50A | Y | RS-485 | B | AC/DC90~260V |
| 9 | SPECIFIED | 9 | SPECIFIED | | | | |

•Modbus mode •Less 5VA for AC/DC input

2.SPECIFICATION

- Measuring accuracy : 0.1% F.S. ± 1 digit (Frequency)
(23 $\pm 5^{\circ}\text{C}$)
0.25% F.S. ± 1 digit(ACA,ACV,Watt,VA)
0.25% F.S. $\pm 0.25\%$ (Power Factor)
- Input burden : <0.2VA (Voltage)
<0.2VA (Current)
- Maximum input over : Current related input: 3 x rated continuous
10 x rated 30 sec. 25 x rated 3sec.
50 x rated 1sec.
Voltage related input: maximum 2 x rated continuous
- Over input indication : "doFL"
- Readou range : 0~600.0V(Voltage)
0~999.9Hz(Frequency)(<20% for voltage input)
0~19999 digit adjustable(Current,Watt,VA)
-0.300~-1.000~+1.000~+0.300cos θ (PF)
- Sampling time : 2 cycles/sec.
- RS-485 address : "01"~"FF"(0~255)
- RS-485 baud rate : 19200/9600/4800/2400 selective
- RS-485 protocol : Modbus RTU mode
- Temp. coefficient : 100ppm/ $^{\circ}\text{C}$ (0~50 $^{\circ}\text{C}$)
- Display : Red high efficiency LEDs high 10.16 mm(0.4")
- Parameter setting : Touch switches
- Memory mode : Non-volatile E² PROM memory
- Insulation Resistance : >100Mohm with 500V DC
- Dielectric strength : 2KVac/1 min. (input/output/power)
1600 Vdc (input/output)
- Surge test : ANSI c37.90a/1974,DIN-IEC 255-4
impulse voltage 4KV(1.2x50us)
- Operating condition : 0~50 $^{\circ}\text{C}$ (20 to 90% RH non-condensed)
- Storage condition : 0~70 $^{\circ}\text{C}$ (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

