MICROPROCESS AC POWER CONTROLLER METER

MODEL MMP

■ FEATURES

- Accuracy 0.25% F.S.±1 digit
- Measuring watt/var/power factor/phase angel
- Programmable rate 0 to±19999 digit
- Dielectric strength 2KVac/1 min.(input/output/power)
- Surage test 4KV(1.2x50us)
- Dual alarm function (Optional)
- 15 bit DAC analog output function (Optional)
- Digit RS-485 interface function (Optional)

1.MODEL:MMP- □ □ - □ □ □ - □ □ □ □

NO	Input Type	NO	Input unit	NO	Input Voltage	NO	Input Current	NO	Input Frequance	NO	Alarm	NO	Analog	NO	RS-485	NO	Aux. Power
W	Watt	1	1ϕ2W	1	0~120V	1	0~1A	A	50Hz	0	None	N	None	N	None	A	AC/DC18~60V
V	Var	3	3ϕ3W	2	0~240V	2	0~5A	B	60Hz	1	One	I	DC4~20mA	Y	RS-485	B	AC/DC90~260V
F	Power Factor	4	3ϕ4W	3	0~400V	9	SPECIFIED	C	400Hz	2	Two	V	DC0~10V	•Modbus mode		•Less 4VA for AC/DC input	
A	Phase Angel	9	SPECIFIED	•Voltage±30%				•Frequency±10%				R	SPECIFIED				

2.SPECIFICATION

- Measuring accuracy (23±5℃) : 0.25% F.S.(Watt,Var,phase angle) 0.25% F.S.±0.25°(Power Factor)
- Input burden : <0.2VA (Voltage) <0.2VA (Current)
- Maximum input over : Current related input: 3 x rated continuous Voltage related input: maximum 2 x rated continuous
- Over input indication : "doFL" or "–doFL"
- Readou range : 0~±19999 digit adjustable(MMP-W/V/A) –0.300~–1.000~+1.000~+0.300cosθ(MMP-F)
- Alarm action : HI or Lo adjustable
- Relay contact output : AC 250V-5A, DC 30V-7A
- Analog output resolution : 15 bit DAC
- Response time : < 250ms(0~90%)
- Output drive capability : < 10mA for voltage mode < 10V for current mode
- Output ripple (p-p) : < 0.1% F.S.
- 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/℃ (0~50℃)
- Display : Red high efficiency LEDs high 14.22mm(0.56")
- Parameter setting : Touch switches
- Memory mode : Non-volatile E^2 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℃(20 to 90% RH non-condensed)
- Storage condition : 0~70℃(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