

MICROPROCESS WATT/WATTHOUR(VAR/VARHOUR)CONTROLLER METER

MODEL MPH



FEATURES

- Accuracy 0.25%F.S.±1digit
- Programable rate 0 to 19999 digit (rate),0 to 999999999 digit (totalizer)
- Programable rate 0 to 19999 digit
- Programable scale factor (0.00001 to 9999.99999)(totalizer)
- Dielectric strength 2KVac/1 min.(input/output/power)
- Surage test 4KV(1.2x50us)
- Dual alarm function (Optional)
- 15 bit DAC isolating analog output function (Optional)
- Digit RS-485 interface function (Optional)
- Digit pulse output function (Optional)

1.MODEL:MPH- [] [] - [] [] [] - [] [] [] [] []

NO	Input Type	NO	Input unit	NO	Input Voltage	NO	Input Current	NO	Input Frequnce	NO	Alarm	NO	Analog	NO	RS-485	NO	Pulse	NO	Aux. Power
W	Watt	1	1φ2W	1	0~120V	1	0~1A	A	50Hz	0	None	N	None	N	None	N	None	A	AC/DC18~60V
	Watthour	3	3φ3W	2	0~240V	2	0~5A	B	60Hz	1	One	I	DC4~20mA	Y	RS-485	Y	1 pulse/count	B	AC/DC90~260V
V	Var	4	3φ4W	3	0~400V	9	SPECIFIED	C	400Hz	2	Two	V	DC0~10V		•Modbus mode		•Standard open collector(Max. DC30V,<40mA)		•Less 5VA for AC/DC input
	Varhour	9	SPECIFIED		*Voltage±30%				*Frequency±10%		•Pulse output only one alarm	T	•DC4~20mA	R	SPECIFIED				

•Two-wire transmitter (Exciting voltage DC10~36V)

2.SPECIFICATION

- Measuring accuracy : 0.25% F.S.±1 digit (rate) (23±5°C)
- Over input indication : " doFL " or "-doFL"
- Readout (compare) range : 0~19999 adjustable(rate)
0~999999999 adjustable (totalizer)
- Alarm action : Hi or Lo adjustable
- Relay contact output : AC 250V-5A,DC 30V-7A
- Analog output resolution : 15 bit DAC (isolating)
- Response time : < 250ms (0~90%)
- Output drive capability : < 10mA for voltage mode
< 10V for current mode
<[(V+)-7.5V]/20mA for two-wire mode
- Output ripple (p-p) : < 0.1% F.S.
- RS-485 baud rate : 19200/9600/4800/2400 selective
- RS-485 address : "01"~"FF"(0~255)
- RS-485 protocol : Modbus RTU mode
- Temp. coefficient : 100ppm/°C (0~50°C)
- Display : Red high efficiency LEDs high 10.16 mm(0.4")
- Parameter setting : Touch switches
- Memory mode : Non-volatile E² PROM memory
- 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°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

