

# 微電腦型交流瓦特/瓦特小時/(乏爾/乏爾小時)控制電錶 (MICROPROCESS WATT/WATTHOUR(VAR/VARHOUR) CONTROLLER METER)

MODEL  
MPH



## ■特點(FEATURES)

- 精確度0.25%滿刻度±1位數(Accuracy 0.25%F.S.±1digit)
- 顯示範圍0至19999(瞬間量),0至999999999(九位數累積量)可任意規劃  
(Programmable rate 0 to 19999 digit (rate),0 to 999999999 digit (totalizer))
- 瞬間量之最高顯示值可任意規劃(0至19999)(Programmable rate 0 to 19999 digit)
- 累積量之積算比例可任意規劃(0.00001至9999.99999)  
(Programmable scale factor (0.00001 to 9999.99999) (totalizer))
- 輸入與輸出絕緣耐壓2仟伏特/1分鐘(Dielectric strength 2KVac/1 min.(input/output/power))
- 突波測試強度4仟伏特(1.2x50us)(Surage test 4KV(1.2x50us))
- 二組警報功能(Dual alarm function) (Optional)
- 15 BIT 隔離類比輸出(15 bit DAC isolating analog output function) (Optional)
- 數位 RS-485 界面(Digit RS-485 interface function) (Optional)
- 數位脈波輸出(Digit pulse output function) (Optional)

1.MODEL:MPH-□□-□□□□-□□□□□□  
(選購型號)

NO	Input Type	NO	Input unit	NO	Input Voltage	NO	Input Current	NO	Input Frequency	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	1pulse/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 (主要規格)

- Measuring accuracy : 0.25% F.S.±1 digit (rate) (23±5°C) (精確度)
- Over input indication : " doFL " or "-doFL" (過載顯示)
- Readout (compare) range : 0~19999 adjustable(rate) (顯示值(比較值)範圍) 0~999999999 adjustable (totalizer)
- Alarm action : Hi or Lo adjustable (繼電器動作方向)
- Relay contact output : AC 250V-5A,DC 30V-7A (繼電器容量)
- Analog output resolution : 15 bit DAC (isolating) (類比輸出解析度)
- Response time : < 250ms (0~90%) (反應速度)
- Output drive capability : < 10mA for voltage mode (輸出負載能力) < 10V for current mode <[(V+)-7.5V]/20mA for two-wire mode
- Output ripple (p-p) : < 0.1% F.S. (輸出之漣波)
- RS-485 baud rate : 19200/9600/4800/2400 selective (傳輸速率)
- RS-485 address : "01"~"FF"(0~255) (通訊位址)
- RS-485 protocol : Modbus RTU mode (通訊協議)
- Temp. coefficient : 100ppm/°C (0~50°C) (溫度係數)
- Display : Red high efficiency LEDs high 10.16 mm(0.4") (顯示幕)
- Parameter setting : Touch switches (參數設定方式)
- Memory mode : Non-volatile E<sup>2</sup> PROM memory (記憶方式)
- Dielectric strength : 2KVac/1 min. (input/output/power) 1600 Vdc (input/output) (絕緣耐壓能力)
- Surge test : ANSI c37.90a/1974,DIN-IEC 255-4 (突波測試) impulse voltage 4KV(1.2x50us)
- Operating condition : 0~50°C (20 to 90% RH non-condensed) (使用環境條件)
- Storage condition : 0~70°C (20 to 90% RH non-condensed) (存放環境條件)
- CE EMC Certification : EN 55022:1998/A1:2000 Class A (CE認證) EN 61000-3-2:2000 EN 61000-3-3:1995/A1:2001 EN 55024:1998/A1:2001

## 3.OUTSIDE DIMENSION AND CONNECTION DIAGRAM

(外型尺寸與開孔尺寸與配線圖)

