

# 4/6位數微電腦型計數器(指撥開關設定型)(48x96mm)

(4/6 DIGIT MICROPROCESS COUNTER,48X96mm)(PUSHWHEEL TYPE)

MODEL  
MCP



## ■特點(FEATURES)

- 最高輸入頻率10KHz(Accepts input rates up to 10KHz)
- 四種輸入模式可選擇(加算,減算,加減算,,90度相位差加減算)  
(Four counting modes Up,Down,Up/Down,quadrature-up/down can be modified)
- 90度相位差加減算具有提高解析度4倍功能(Quadrature sensing up to 4 times resolution)
- 輸入脈波具有預設刻度0.00001至9.99999功能(Input scaling multiplied 0.00001 to 9.99999 can be modified)
- 2組警報功能(Two alarm function)(optional)
- 16 BIT 類比輸出功能(16 bit DAC analog output function)(optional)
- 數位RS-485界面(Digit RS-485 interface function)(optional)

1.MODEL:MCP-□□□□□□□□ □ X=NIL(alarm relay output),X=T(alarm transistor NPN output)  
(選購型號)

NO	Display	NO	Input Type (Exciting voltage)	NO	Input rates	NO	Alarm Output	NO	Analog output	NO	RS-485	NO	Aux.Power
4	4 digit	A	Pulse (TTL)(5V)	1	50 Pulse/Sec	1	One	N	None	N	None	A	AC/DC18~60V
6	6 digit	B	Pulse(NPN)(12V)	2	10000 Pulse/Sec	2	Two(AL1/AL2=Alone-4 digit)	I	DC4~20mA	Y	RS-485	B	AC/DC90~260V
		C	Pulse(PNP)(12V)	*1:	Contact input	3	Two(AL2=Pre-warm-2 digit)	V	DC0~10V		Modbus mode		Less 4VA for AC/DC input
		O	SPECIFIED	*2:	Non-contact input		MCP-6 only	R	SPECIFIED		256 nodes on bus		
								T	DC4~20mA(Two-wire transmitter exciting voltage DC10~36V)				

## 2.SPECIFICATION(主要規格)

- Count input type (脈波輸入型式): Jump-pin selectable current sourcing(NPN) or current sinking(PNP)
- Count input trigger levels (脈波觸發電位): High level:  $V_{IH}=DC4\sim30V$  (Pulse) Low level:  $V_{IL}=DC0\sim2V$  (Pulse)
- Max.count rates (最高輸入頻率): <10KHz(up,down,up/down mode) <3KHz(quadrature mode)
- Readout range (顯示值範圍): -1999 to 9999(MCP-4) -199999 to 999999(MCP-6)
- Compare range (比較值範圍): 0 to 9999(MCP-4) 0 to 999999(MCP-6)
- Output hold time (輸出動作時間): 0.1 to 999.9 second adjustable
- Output reset type (輸出復歸方式): Manual(N) or automatic (R or C) can be modified
- Relay contact output (繼電器容量): AC250V-5A,DC30V-7A
- Transistor output (電晶體輸出容量): Photo couple of open-collector (Max.DC30V/40mA)
- Analog output resolution (類比輸出解析度): 16 bit DAC(Isolating)
- Response time (輸出反應速度): <1/f+10ms(0~90%)
- Output drive capability (輸出負載能力): <10mA for voltage mode <10V for current mode <[(V+)-7.5V]/20mA for two-wire mode
- Output ripple(p-p) (輸出之漣波): <0.1%F.S.
- RS-485 address (通訊位址): "01" ~ "FF" (0~255)
- RS-485 baud rate (傳輸速度): 19200/9600/4800/2400 selective
- Display (顯示幕): Red high efficiency LEDs high 14.22mm(0.56")
- Parameter setting (參數設定方式): Touch switches
- Sensor power supply (感應器電源): 5Vdc  $\pm 3\%$  (<60mA) 12Vdc  $\pm 3\%$  (<60mA)
- Memory mode (記憶型式): Non-volatile E<sup>2</sup>PROM memory
- Dielectric strength (絕緣耐壓能力): 2KVac/1 min.(input/output/power) 1600Vdc(input/output)
- Operating condition (使用環境條件): 0~50°C (20 to 90% RH non-condensed)
- Storage condition (存放環境條件): 0~70°C (20 to 90% RH non-condensed)
- CE EMC Certification (CE 認證): EN 55022:1998/A1:2000 Class A EN 61000-3-2:2000 EN 61000-3-3:1995/A1:2001 EN55024:1998/A1:2001

## 3.OUTSIDE DIMENSION AND CONNECTION DIAGRAM

(外型尺寸與開孔尺寸與配線圖)

