

# 5位數微電腦型高速計數器(48x48mm)

## (5 DIGIT HIGH SPEED MICROPROCESS COUNTER,48X48mm)

**MODEL  
MC48**



### ■特點(FEATURES)

- 最高輸入頻率50KHz(Accepts input rates up to 50KHz)
- 計數速度50/50000 脈波/秒可選擇(Accept input rates 50 or 50000 CPS can modified)
- 七種輸入模式可選擇(前/後緣觸發加算,前/後緣觸發減算,加減算,方向性加減算,90度相位差加減算)  
(Seven counting modes Front/after edge-up,Front/after edge-down,up/down,direct-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0.0001至9.9999功能(Input scaling multiplied 0.0001 to 9.9999 can be modified)
- 七種警報輸出模式(N/F/R/Q/C/P/K)可選擇(Seven output mode N/F/R/Q/C/P/K 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)
- 防護等級NEMA4/IP65(Protection class NEMA4/IP65)

1. MODEL: MC48-□□□□□□  
(選購型號)

NO	Input Type(Exciting Voltage)	NO	Input rates	NO	Alarm Output	NO	Alarm Output	NO	Analog output	NO	RS-485	NO	Aux.Power
A	Pulse (PNP)(5V)	1	50 Pulse/Sec	0	None	3	One(Transistor NPN)	N	None	N	None	A	AC/DC18~60V
B	Pulse(NPN)(12V)	2	50000 Pulse/Sec	1	One(Relay)	4	Two(Transistor PNP)	I	DC4~20mA	Y	RS-485	B	AC/DC90~260V
C	Pulse(PNP)(12V)		•1:Contact input	2	Two(Relay)		•Max.DC30V/40mA	V	DC0~10V		•Modbus mode		•Less 3VA for AC/DC input
O	SPECIFIED		•2:Non-contact input		•Relay contact(AC250V-5A,DC30V-5A)			R	SPECIFIED		•256 nodes on bus		

### 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<sub>IH</sub>=DC4~30V(Pulse)  
Low level :V<sub>IL</sub>=DC0~2V(Pulse)
- Maximum.count rates (最高輸入頻率) :<50KHz(up,down,up/down,direct-up/down mode)  
<25KHz(quadrature-up/down mode)
- Readout range (顯示值範圍) :-19999~99999 digit adjustable
- Output hold/one-short time (輸出動作/單觸發時間) :0 to 99.9 second adjustable
- Alarm output responses time(警報輸出反應時間) :<10ms(relay output)  
<0.5ms(transistor output)
- Relay contact output (繼電器容量) :AC250V-5A,DC30V-5A
- Transistor output type (電晶體輸出型式) :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
- 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
- RS-485 protocol (通信協議) :Modbus RTU mode
- Display (顯示幕) :Red high efficiency LEDs high 10.16mm(0.4")(PV)  
Red high efficiency LEDs high 7.00mm(0.28")(SV)
- Parameter setting (參數設定方式) :Touch switches
- Sensor power supply (感應器電源) :5Vdc ±3%(<60mA)  
12Vdc ±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)

