

# 6 DIGIT MICROPROCESS COUNTER, 48x96mm

MODEL  
MC



## FEATURES

- Accepts input rates up to 10KHz
- Accept input rates 50 or 10000 CPS can be modified
- Four counting modes Up,Down,Up/Down, quadrature can be modified
- Quadrature sensing up to 4 times resolution
- Input scaling multiplied 0.00001 to 9.99999 can be modified
- Count inhibit function(GATE control)
- Three alarm function (optional)
- 15 bit DAC analog output function (optional)
- Digit RS-485 interface function (optional)

1:MODEL:MC-□ □ □ - □ □ □

NO	Input Type	NO	Input Rates	NO	Alarm Output	NO	Analog output	NO	RS-485	NO	Aux.POWER
A	Pulse (TTL) (5V)	1	50 pulse/sec	0	None	N	None	N	None	A	AC/DC18~60V
B	Pulse (NPN) (12V)	2	10000 pulse/sec	1	One	I	DC4~20mA	Y	RS-485	B	AC/DC90~260V
C	Pulse (PNP) (12V)	1:Contact input 2:Non-contact input		2	Two	V	DC0~10V	•Modbus mode			•Less 4VA for AC/DC input
O	SPECIFIED			3	Two(AL2=Pre-warm)	R	SPECIFIED				
						T	•DC4~20mA				

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

## 2:SPECIFICATION (主要規格)

- Count input type : Jump-pin selectable current sourcing(NPN) or current sinking (PNP)
- Count input trigger levels : HI bias (CMOS) ( $V_{IH}=7.5V$ ,  $V_{IL}=5.5V$ )  
LO bias (TTL) ( $V_{IH}=3.7V$ ,  $V_{IL}=2.0V$ )
- Max.count rates : <10KHz (up,down,up/down mode)  
<3KHz (quadrature mode)
- Readout (compare)rang : -199999 to 999999
- Output hold time : 0.1 to 99.9 second adjustable
- Output reset type : Manual(N) or automatic (R or C) can be modified
- Relay contact output : AC 250V-5A, DC 30V-7A
- Analog output resolution : 15 bit DAC
- Response time : < 1/f+10ms(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 adress : "01"~"FF"(0~255)
- RS-485 baud rate : 19200/9600/4800/2400 selective
- RS-485 protocol : Modbus RTU mode
- Display : Red high efficiency LEDs high 14.22mm (0.56")
- Parameter setting : Touch switches
- Sensor power supply : 12VDC±3%(<60mA)
- Memory mode : Non-volatile E<sup>2</sup> PROM memory
- Dielectric strength : 2KVac/1 min. (input/output/power)  
1600Vdc (input/output)
- 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

