

6 DIGIT HIGH SPEED MICROPROCESS COUNTER,48x96mm

MODEL
MCH



■ FEATURES

- Accepts input rates up to 50KHz
- Accept input rates 50 or 500 or 50000 CPS can be modified
- Seven counting modes Front/after edge-up,Front/after edge-down,up/down,direct-up/down,quadrature-up/down can be modified
- Quadrature sensing up to 4 times resolution
- Input scaling multiplied 0.00001 to 9.99999 can be modified
- Seven output mode N/F/R/Q/C/P/K can be modified
- Two alarm function (optional)
- 16 bit DAC analog output function (optional)
- Digit RS-485 interface function (optional)

1:MODEL:MCH-□ □ - □ □ □ □

NO	Input Type (Exciting Voltage)	NO	Alarm Output	NO	Analog output	NO	RS-485	NO	Aux.POWER
A	Pulse (TTL) (5V)	0	None	N	None	N	None	A	AC/DC18~60V
B	Pulse (NPN) (12V)	1	One (Relay)	I	DC4~20mA	Y	RS-485	B	AC/DC90~260V
C	Pulse (PNP) (12V)	2	Two (Relay)	V	DC0~10V		•Modbus mode •256 nodes on bus		•Less 4VA for AC/DC input
O	SPECIFIED	3	One(Transistor NPN)	R	SPECIFIED				
		4	Two(Transistor NPN)	T	•DC4~20mA(Two-wire transmitter,exciting voltage DC10~36V)				

2:SPECIFICATION

- Count input type : Jump-pin selectable current sourcing(NPN) or current sinking (PNP)
- Count input trigger levels : High level : $V_{IH}=DC4\sim30V$ (Pulse)
Low level : $V_{IL}=DC0\sim2V$ (Pulse)
- Maximum.count rates : <50KHz (up,down,up/down,direct-up/down mode)
<25KHz (quadrature-up/down mode)
- Readout (compare)rang : -999999 to 999999 digit adjustable
- Output hold/one-short time : 0 to 99.9 second adjustable
- Alarm output responses time : <10ms(relay output)
<0.5ms(transistor output)
- Relay contact output : AC 250V-5A, DC 30V-7A
- Transistor output type : Photo couple of open-collector (Max.DC30V/40mA)
- Analog output resolution : 16 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 address : "01"~"FF"(0~255)
- RS-485 baud rate : 38400/19200/9600/4800/2400 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 E² 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

