

微電腦型高速長度, 流量顯示控制錶(顯示幕0.8", 48x96x85mm) (HIGH SPEED MICROPROCESS LENGTH, FLOW CONTROLLER METER) (PULSE INPUT)

**MODEL
MMCH**



■特點(FEATURES)

- 顯示範圍-19999至99999位數(Readout range from -19999 to 99999)
- 最高輸入頻率 50KHz(Accepts input rates up to 50KHz)
- 計數速度 50/500/50000脈波/秒可選擇(Accept input rates 50 or 500 or 50000 CPS can be modified)
- 五種輸入模式可選擇(前/後緣觸發加算, 加減算, 方向性加減算, 90度相位差加減算 (Five counting modes front/after edge-Up, 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功能(Input scaling multiplied 0.0001 to 9.9999 can be modified)
- 4 組警報功能(Four alarm function)(optional)
- 16 BIT 類比輸出功能(16 bit DAC analog output function)(optional)
- 數位RS-485介面(Digit RS-485 interface function)(optional)

1: MODEL: MMCH-□ □ □ □ □
(選購型號)

NO	Input Type	NO	Alarm output	NO	Alarm output	NO	Analog output	NO	RS-485	NO	Aux. POWER
A	Pulse (PNP) (5V)	0	None	5	One(Transistor)	N	None	N	None	A	AC/DC18~60V
B	Pulse (NPN) (12V)	1	One(Relay)	6	Two(Transistor)	I	DC4~20mA	Y	RS-485	B	AC/DC90~260V
C	Pulse (PNP) (12V)	2	Two(Relay)	7	Three(Transistor)	V	DC0~10V	•Modbus mode •256 nodes on bus		•Less 4VA for AC/DC input	
D	Magnetic pick-up(30mV~30V)	3	Three(Relay)	8	Four(Transistor)	T	•DC4~20mA				
O	SPECIFIED	4	Four(Relay)	•Transistor output(Photo couple of open-collector, Max.DC30V/40mA)		R	SPECIFIED	•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)
High level: $V_{IH}=AC30mV\sim30V$ (Magnetic pick-up)
Low level: $V_{IL}=DC0\sim2V$ (Pulse)
Low level: $V_{IL}=AC0\sim20mV$ (Magnetic pick-up)
- Maximum count rates (最高輸入頻率) : <50KHz (Up, Up/Down, Direct-Up/Down)
<25KHz (Quadrature-Up/Down)
<1KHz (Magnetic pick-up)
- Readout (compare) range (顯示(比較值)範圍) : -19999 to 99999 digit adjustable
- Alarm action (警報動作方向) : HI or Lo adjustable
- Alarm output response time (警報輸出反應時間) : <10ms (Relay output)
<0.5ms (Transistor output)
- Relay contact output (繼電器容量) : AC 250V-5A, DC 30V-7A
- Transistor output type (電晶體輸出形式) : 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) : < $1/f + 10$ ms (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) : 38400/19200/9600/4800/2400 selective
- Display (顯示幕) : Red high efficiency LEDs high 20.32mm (0.8")
- Sensor power supply (感應器電源) : 12VDC $\pm 3\%$ (<60mA)
- Memory mode (記憶方式) : Non-volatile E² 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
EN 55024:1998/A1:2001

3: OUTSIDE DIMENSION AND CONNECTION DIAGRAM

(外型尺寸與開孔尺寸與配線圖)

