

水平式微電腦型 1/2 路計數器/頻率輸入模組

(HORIZONTAL TYPE MICROPROCESS 1/2 CHANNEL COUNTER/FREQUENCY INPUT MODULE)

MODEL
HMPI



特點(FEATURES)

- 精確度 0.03%滿刻度(頻率) (Accuracy 0.03%F.S.(Frequency))
- 顯示範圍0~99999(頻率),-199999999~999999999(計數器)
(Readout range :0~99999(Frequency),-199999999~999999999(Counter))
- 最高輸入頻率100KHz(Accepts input rates up to 100KHz)
- 可選擇計數器或頻率計功能(Counter or Frequency function can be selective)
- 計數器輸入型式NPN/PNP/Line-Driver可選擇(Count input type:NPN/PNP/Line-Driver can be selective)
- 脈波輸入具有低通濾波器功能(10~50mS)(Pulse input has low-filter function(10~50mS))
- 計數器功能時具有雙獨立加算,加減算,方向加減算,90度相位差加減算功能可任意設定(Counter function has four type of 2U,up/down, direct-up/down and quadrature-up/down can be modified)
- 計數器90度相位差加減算功能具有提高解析度4倍功能(Counter input for Quadrature sensing up to 4 times resolution)
- 計數器和頻率輸入脈波具有預設刻度0.0001~9.9999功能(Counter and Frequency pulse input scaling multiplied 0.0001 to 9.9999 can be modified)
- 4段警報功能(Four alarm function)(optional)
- 16 BIT 類比輸出功能(16 bit DAC analog output function)(optional)

1.MODEL:HMPI- ☐ ☐ - ☒ X=5 (Sensor power supply DC5V)
(選購型號) X=12(Sensor power supply DC12V)

NO	Relay output	NO	Analog output
N	None	N	None
P	Pulse(Four)	Y	DC0~5V/0~10V
R	Relay(Four)		DC0~20mA/4~20mA
M	Photo Mos Relay(Four)		•DC4~20mA(Two-wire)
			•DC4~20mA(Two-wire exciting voltage DC10~28V)

2.SPECIFICATION(主要規格)

- Aux.power supply (輔助電源):DC10~30V(<3.4W,HMPI-NX)
(<4.2W,HMPI-RX)
- Pulse input type (脈波輸入型式):NPN/PNP/Line-Drive
- Count input trigger levels (脈波觸發電位):High level : VIH=DC4~30V
Low level : VIL=DC0~2V
- Maximum count rates (最高輸入頻率):100KHz
- Readout range (顯示值範圍):-19999~99999(D-L counter)
-199999999~999999999(D-H counter)
0~99999(Frequency)
- Relay contact output (繼電器容量):AC250V-5A,DC30V-5A
- Transistor output type (電晶體輸出型式):Photocouple of open-collector
(DC3.5~250V, ≤ 120mA)
- Photo Mos relay output (Photo Mos繼電器容量):AC/DC3.5~50V, ≤ 0.8A
- Analog output resolution (類比輸出解析度):16 bit DAC(Isolation)
- Response time (輸出反應速度):1/f+10mS(0~90%)(Frequency)
- Output drive capability (輸出負載能力):<10mA for voltage mode
≤ 10V for current mode
≤ (V_{Exc} -7.5V)/20mA for two-wire mode
- RS-485 address (通訊位址):"00"~"FF"(0~255)
- RS-485 baud rate (傳輸速度):1200~115200 selective
- RS-485 protocol (通信協議):Modbus RTU mode
- Display (顯示幕):Red high efficiency LEDs high 6.80mm(0.268")
- Parameter setting (參數設定方式):Touch switches
- Sensor power supply (感應器電源):DC5V(<60mA)
DC12V(<60mA)
- Memory mode (記憶型式):Non-volatile E²PROM memory
- Dielectric strength (絕緣耐壓能力):2KVac/1 min.(Input/output/power/RS-485)
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(外形尺寸)



4.TERMINAL CONNECTION(配線圖)

