

薄型頻率隔離傳送/警報控制電驛

(SLIM TYPE FREQUENCY ISOLATED TRANSMITTER & CONTROLLER METER RELAY)

**MODEL
SMFTR**



■特點(FEATURES)

- 精確度0.03%滿刻度 (Accuracy 0.03% F.S.)
- 2種輸入頻率(50Hz/50KHz)可任意設定 (Accepts input frequency rate 50Hz or 50KHz can be modified)
- 可量測直流脈波、開關接點、磁性感應器信號 (Measuring Pulse(TTL,CMOS),Switch contact Magnetic pick-up signal)
- 頻率輸入範圍0.01Hz至50KHz(輸入範圍從0.01Hz到50KHz)
- 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介面(Digit RS-485 interface function)(optional)
- 寬範圍交直流兩用電源設計(Wide input range for auxiliary power)
- 尺寸小、穩定性高(Dimension small & Higt stability)

1:MODEL:SMFTR - □ - □ - □ - □
(選購型號)

NO	Input Type	NO	Alarm output	NO	Analog output	NO	RS-485	NO	Aux.Power
B	Pulse (NPN) & Dry contact	0	None	0	None	N	None	A	AC/DC18~60V
C	Pulse (PNP) & Dry contact	1	One	1	DC4~20mA	Y	RS-485	B	AC/DC90~260V
D	Magnetic pick-up(50mV~1.5V)	2	Two	2	DC0~10V	*Modbus mode *256 modes on bus		*Less 4VA for AC/DC input	
E	Magnetic pick-up(500mV~15V)	*Relay contact (AC250V-2.5A,DC30V-5A)		9	SPECIFIED	*Two-alarm output only one analog output or another RS-485 output			
F	AC2~60V	*Analog & RS-485 output only one alarm output							
O	SPECIFIED								

2:SPECIFICATION (主要規格)

- Measuring accuracy (精確度) : 0.03% F.S. (23±5°C)
- Count input type (脈波輸入型式) : Jump-pin selectable current sourcing(NPN) or current sinking (PNP)
- Input trigger levels (脈波觸發電位) : High level (V_H=DC4~30V) Low level (V_L=DC0~2V)
- Max.count rates (最高輸入頻率) : <50KHz (50% duty cycle) <1KHz (Magnetic pick-up) <50Hz (Switch contact)
- Sampling time (取樣時間) : 20 cycles/sec. (>20Hz) f cycles/sec. (<20Hz)
- Readout range (顯示值範圍) : 0 to 99999 digit adjustable
- Alarm action (繼電器動作方向) : HI or Lo adjustable
- Relay contact output (繼電器容量) : AC 250V-2.5A, DC 30V-5A
- Analog output resolution (類比輸出解析度) : 16 bit DAC
- Response time (輸出反應速度) : < 250ms(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 6.8mm (0.268")
- Parameter setting (參數設方式) : Touch switches
- Sensor power supply (感應器電源) : 12VDC±3%(<50mA)
- Memory mode (記憶方式) : Non-volatile E² PROM memory
- Dielectric strength (絕緣耐壓能力) : 2KVac/1 min. (input/power/display) 1600Vdc (input/output)
- Operating condition (使用環境條件) : 0~60°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Unit:mm與配線圖)

