

薄型直流/脈波隔離傳送器

(SLIM TYPE MICROPROCESS DC TO FREQUENCY ISOLATED TRANSMITTER)

MODEL
SMDF



■特點(FEATURES)

- 精確度0.05%滿刻度±1位數(Accuracy 0.05% F.S.±1digit)
- 多種輸入/輸出選擇(Wide selection of input/output range)
- 脈波輸出範圍0.25Hz至1KHz可任意規劃(Wide range for frequency output (0.001Hz to 1KHz))
- 輸入與輸出絕緣耐壓2千伏特/1分鐘(Dielectric strength 2KVac/1 min.(input/output))
- 顯示範圍-19999~99999可任意規劃(Programmable rate -19999~99999 digit)
- 2組警報功能(Max. two alarm 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:SMDF -

(選購型號)

NO	Input Range	NO	Input Range	NO	Output 1 Mode	NO	Output 2 Mode	NO	Aux.Power
1	DC0~50mV	6	DC4~20mA	P	Pulse output	N	None	A	AC/DC18~60V
2	DC0~1V	7	DC4~20mA	R	Relay output	P	Pulse output	B	AC/DC90~260V
3	DC0~5V	9	SPECIFIED	S	SPECIFIED	R	Relay output		• Less 3VA for AC/DC input
4	DC1~5V		•Exciting DC24V(<25mA) (two-wire transmitter)		•Pulse is open-collector (Max.DC30V,<40mA)	S	SPECIFIED		
5	DC0~10V								

2.SPECIFICATION (主要規格)

- Measuring accuracy (精確度) : 0.05% F.S.±1 digit (23±5°C)
- Input resistance (輸入阻抗) : >100Mohm (<2V range) >2Mohm (>2V range) <100 ohm (current input)
- Maximum input (最大過載能力) : <600Vrms (>2V ranges) <150Vrms (<2V ranges) <150mA (current ranges)
- Sampling time (取樣時間) : 16 cycles/sec.
- Readout range (顯示值範圍) : -19999~99999 digit adjustable
- Pulse output range (脈波輸出範圍) : 0.001Hz~1KHz(Relay output max.50Hz)
- Output pulse width (輸出脈波寬度) : 50% duty cycle
- Output drive capability (輸出負載能力) : Pulse output (Open-collector max.DC30V,<40mA) Relay output (AC250V-2.5A,DC30V-5A)
- Temp. coefficient (溫度係數) : 50ppm/°C (0~50°C)
- Display (顯示幕) : Red high efficiency LEDs high 6.8mm(0.268")
- Parameter setting (參數設定方式) : Touch switches
- Memory mode (記憶型式) : Non-volatile E² PROM memory
- Isolation (隔離特性) : Input/Output1/Output2/Power/Case
- Insulation Resistance (絕緣阻抗) : >100M ohm with 500V DC
- Dielectric strength (絕緣耐壓能力) : 2KVac/1 min. (input/output/power) 1600 Vdc (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(Unit:mm)

(外型尺寸與配線圖)

