

# 薄型頻率隔離傳送器

(SLIM TYPE FREQUENCY ISOLATED TRANSMITTER)

MODEL  
STF



## ■特點(FEATURES)

- 精確度0.1%滿刻度(Accuracy 0.1%F.S.)
- 多種輸入輸出選擇(Wide selection of input/output range)
- 輸入/輸出1/輸出2絕緣耐壓1.5仟伏特/1分鐘(Dielectric strength 1.5KVac/1 min.(input/output1/output2))
- 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 & High stability)

## 1.MODEL:STF-□ □ □ □ □

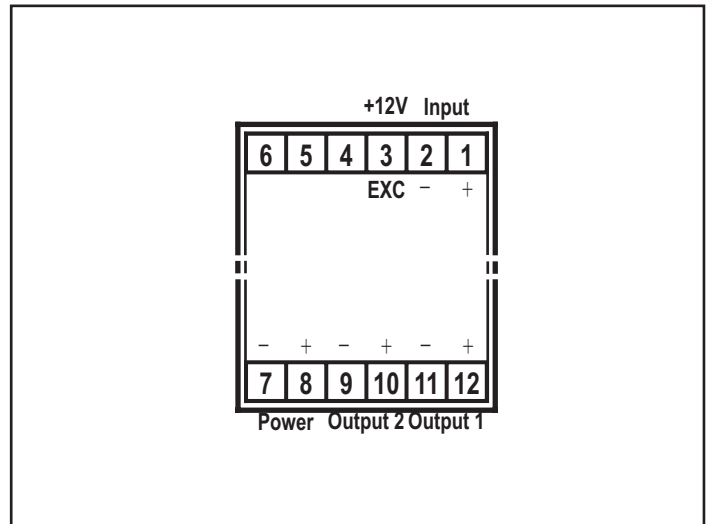
(選購型號)

| NO | Input Type      | NO | Input Type                     | NO | Input Range | NO | Output 1 Range | NO | Output 2 Range | NO | Aux. Power                 |
|----|-----------------|----|--------------------------------|----|-------------|----|----------------|----|----------------|----|----------------------------|
| A  | Dry contact     | E  | Magnetic pick-up (AC50mV~1.5V) | 1  | 0~50Hz      | C  | 1~5V           | N  | None           | A  | AC/DC 18~60V               |
| B  | Pulse(TTL)(5V)  |    |                                | 2  | 0~1KHz      | D  | 0~10V          | D  | 0~10V          | B  | AC/DC 90~260V              |
| C  | Pulse(NPN)(12V) | R  | SPECIFIED                      | 3  | 0~10KHz     | I  | 4~20mA         | I  | 4~20mA         |    | • Less 4VA for AC/DC input |
| D  | Pulse(PNP)(12V) |    |                                | 9  | SPECIFIED   | R  | SPECIFIED      | R  | SPECIFIED      |    |                            |

## 2.SPICIFICATION (主要規格)

- Measuring accuracy (精確度) : 0.1% F.S. (TRMS)
- Count input type (脈波輸入型式) : Switch selectable current sourcing(NPN) or current sinking(PNP)
- Pulse input trigger levels (脈波觸發電位) : HI bias (CMOS) ( $V_{IH}=7.5V$ ,  $V_{IL}=5.5V$ )  
LO bias (TTL) ( $V_{IH}=3.7V$ ,  $V_{IL}=2.0V$ )
- Response time (輸出反應時間) : <250ms (0-90%)
- Output drive capability (輸出負載能力) : <10mA for voltage mode  
<10V for current mode
- Output ripple(p-p) (輸出漣波) : <0.1% F.S.
- Zero (offset) range (歸零調整範圍) : 0~±5% F.S.
- Span (scale) range (最大值調整範圍) : 0~±10% F.S.
- Sensor power supply (感應器電源) : 12VDC±3% (<50mA)
- Temp. coefficient (溫度係數) : 100ppm/°C (0~50°C)
- 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) : 1.5KVac/1 min. (input/Output1/Output2/power)  
1200Vdc (input/Output1/Output2)
- 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)
- Construction (安裝方式) : 35mm DIN rail (EN50022)
- 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.TERMINAL CONNECTION (接線圖)



## 4.DIMENSION (unit:mm) (外型尺寸)

