

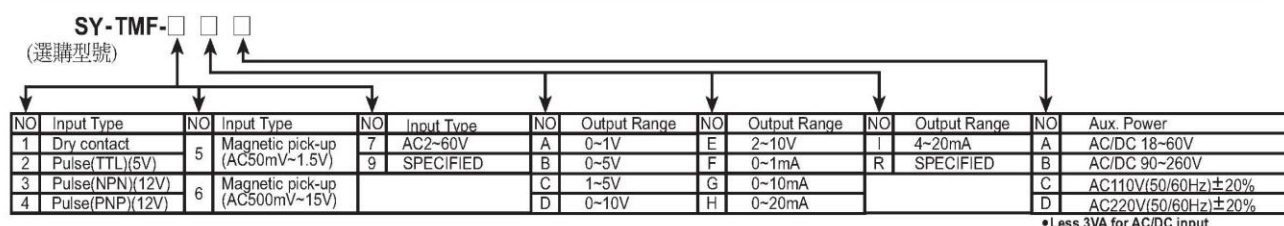
(MICROPROCESS FREQUENCY ISOLATED TRANSMITTER)

**MODEL
SY-TMF**



■特點(FEATURES)

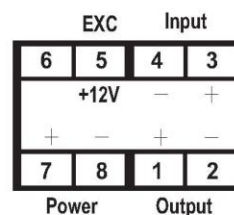
- 精確度 0.03%滿刻度 (Accuracy 0.03%F.S.)
- 頻率輸入範圍 0.01Hz至80KHz(Input range from 0.01 Hz to 80KHz)
- 16 BIT 隔離類比輸出(16 bit DAC isolating analog output)
- 輸入與輸出絕緣耐壓2千伏特/1分鐘(Dielectric strength 2KVac/1min. (input/output/power))
- 寬範圍交直流兩用電源設計(Wide input range for auxiliary power)
- 尺寸小,穩定性高(Dimension small and High stability)



2.SPCIFICATION (主要規格)

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|--|--|
| ● Measuring accuracy
(精 確 度) | : 0.03% F.S. (23±5°C) |
| ● Count input type
(脈波輸入型式) | : Switch selectable current sourcing (NPN)
or current sinking (PNP) |
| ● Count input trigger levels
(脈波觸發電位) | : HI bias (CMOS) ($V_{IH}=7.5V$, $V_{IL}=5.5V$)
LO bias (TTL) ($V_{IH}=3.7V$, $V_{IL}=2.0V$) |
| ● Sampling time
(取樣時間) | : 20 cycles/sec. (>10Hz)
f/2 cycles/sec(<10Hz) |
| ● Analog output resolution
(類比輸出解析度) | : 16 bit DAC |
| ● 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~±9999 Digit adjustable |
| ● Span (scale) range
(最大值調整範圍) | : 0~±9999 Digit adjustable |
| ● Sensor power supply
(感應器電源) | : 12VDC±3% (<50mA) |
| ● Temp. coefficient
(溫度係數) | : 50ppm/°C (0~50°C) |
| ● Display
(顯示幕) | : Red high efficiency LEDs high 10.16mm (0.4") |
| ● Isolation
(隔離特性) | : Input/Output/Power/Case |
| ● Parameter setting
(參數設定方式) | : Touch switches |
| ● Memory mode
(記憶方式) | : Non-volatile E ² PROM memory |
| ● Insulation Resistance
(絕緣阻抗) | : >100Mohm with 500V DC |
| ● 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) | : 0~60°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) | : Socket/plugin type with barrier terminals |
| ● 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)

