

# 微電腦型頻率隔離傳送器

( MICROPROCESS FREQUENCY ISOLATED TRANSMITTER )

MODEL  
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 isolating analog output)
- 輸入與輸出絕緣耐壓2千伏特/1分鐘(Dielectric strength 2KVvac/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)

## 1.MODEL:TMF-□ □ □ (選購型號)

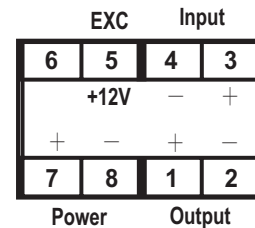
NO	Input Type	NO	Input Type	NO	Input Type	NO	Output Range	NO	Output Range	NO	Output Range	NO	Aux. Power
1	Dry contact	5	Magnetic pick-up (AC50mV~1.5V)	7	AC2~60V	A	0~1V	E	2~10V	I	4~20mA	A	AC/DC 18~60V
2	Pulse(TTL)(5V)	6	Magnetic pick-up (AC500mV~15V)	9	SPECIFIED	B	0~5V	F	0~1mA	R	SPECIFIED	B	AC/DC 90~260V
3	Pulse(NPN)(12V)			C	1~5V	G	0~10mA	C	AC110V(50/60Hz)±20%				
4	Pulse(PNP)(12V)	D	0~10V	H	0~20mA	D	AC220V(50/60Hz)±20%						

•Less 3VA for AC/DC input

## 2.SPICIFICATION (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) : Switch selectable current sourcing(NPN) or current sinking (PNP)
- Count input trigger levels (脈波觸發電位) : HI bias (CMOS) (V<sub>IH</sub>=7.5V, V<sub>IL</sub>=5.5V) LO bias (TTL) (V<sub>IH</sub>=3.7V, V<sub>IL</sub>=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<sup>2</sup> 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)

