

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)
- 15BIT 隔離類比輸出(15bit DAC isolating analog output)
- 輸入與輸出絕緣耐壓2仟伏特/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)

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	DC0-1V	E	DC2-10V	I	DC4-20mA	A	AC/DC 18-60V
2	Pulse(TTL)(5V)			9	SPECIFIED	B	DC0-5V	F	DC0-1mA	R	SPECIFIED	B	AC/DC 90-260V
3	Pulse(NPN)(12V)	6	Magnetic pick-up (AC500mV-15V)			C	DC1-5V	G	DC0-10mA				●Less 3VA for AC/DC input
4	Pulse(PNP)(12V)					D	DC0-10V	H	DC0-20mA				

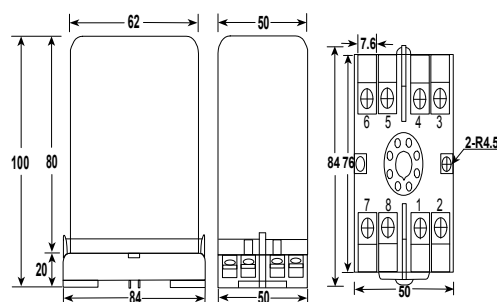
2.SPECIFICATION (主要規格)

- Measuring accuracy : 0.03% F.S. (23 ±5°C)
(精確度)
- Count input type : Switch selectable current sourcing(NPN)
(脈波輸入型式) or current sinking (PNP)
- Count input trigger levels : HI bias (CMOS) (V_{IH}=7.5V, V_{IL}=5.5V)
(脈波觸發電位) LO bias (TTL) (V_{IH}=3.7V, V_{IL}=2.0V)
- Sampling time : 20 cycles/sec. (>10Hz)
(取樣時間) f/2 cycles/sec(<10Hz)
- Analog output resolution : 15 bit DAC
(類比輸出解析度)
- Response time : < 250 ms (0-90%)(>10Hz)
(輸出反應速度)
- Output drive capability : < 10mA for voltage mode
(輸出負載能力) < 10V for current mode
- Output ripple (p-p) : < 0.1% F.S.
(輸出之漣波)
- Zero (offset) range : 0- ±9999 Digit adjustable
(歸零調整範圍)
- Span (scale) range : 0- ±9999 Digit adjustable
(最大值調整範圍)
- Sensor power supply : 12VDC ±3% (<50mA)
(感應器電源)
- Temp. coefficient : 50ppm/°C (0-50°C)
(溫度係數)
- Display : Red high efficiency LEDs high 10.16mm (0.4")
(顯示幕)
- Isolation : Input/Output/Power/Case
(隔離特性)
- Parameter setting : Touch switches
(參數設定方式)
- Memory mode : Non-volatile E² PROM memory
(記憶方式)
- Insulation Resistance : >100Mohm with 500V DC
(絕緣阻抗)
- Dielectric strength : 2KVac/1 min. (input/output/power)
(絕緣耐壓能力) 1600Vdc (input/output)
- Operating condition : 0-50°C(20 to 90% RH non-condensed)
(使用環境條件)
- Storage condition : 0-70°C(20 to 90% RH non-condensed)
(存放環境條件)
- Construction : Socket/plugin type with barrier terminals
(安裝方式)

3.Terminal conection(接線圖)

EXC		Input	
6	5	4	3
+12V		-	+
+	-	+	-
7	8	1	2
Power		Output	

4.Dimension(unit:mm)(外型尺寸)



T-7