

微電腦型熱電耦溫度隔離傳送器

(MICROPROCESS THERMOCOUPLE ISOLATED TRANSMITTER)

MODEL
TMT



■特點(FEATURES)

- 精確度0.2%滿刻度 $\pm 0.5^{\circ}\text{C}$ (冷接點補償) (Accuracy 0.2%F.S. $\pm 0.5^{\circ}\text{C}$ (CJC))
- 高精度冷接點溫度補償(CJC traceability $< \pm 0.5^{\circ}\text{C}$ (0-70 $^{\circ}\text{C}$))
- 熱電耦誤差補償,與斷線保護功能(Sensor error compensation(offset) and burnout protection function)
- 15BIT 隔離類比輸出(15bit DAC isolating analog output)
- 多種熱電耦輸入與類比輸出選擇(Wide selection of input/output range)
- 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)

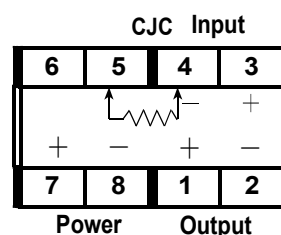
1.MODEL:TMT-☐☐☐ (選購型號)

NO	Input Type	NO	Input Type	NO	Output Range	NO	Output Range	NO	Output Range	NO	Aux. Power
B	B(200-1800 $^{\circ}\text{C}$)	R	R(0-1760 $^{\circ}\text{C}$)	A	DC0-1V	E	DC2-10V	I	DC4-20mA	A	AC/DC 18-60V
E	E(-185-990 $^{\circ}\text{C}$)	S	S(0-1750 $^{\circ}\text{C}$)	B	DC0-5V	F	DC0-1mA	R	SPECIFIED	B	AC/DC 90-260V
J	J(-200-760 $^{\circ}\text{C}$)	T	T(-200-395 $^{\circ}\text{C}$)	C	DC1-5V	G	DC0-10mA				
K	K(-200-1360 $^{\circ}\text{C}$)	*F=(9/5) $^{\circ}\text{C}$ +32		D	DC0-10V	H	DC0-20mA				

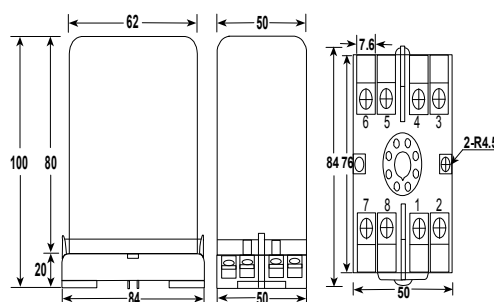
2.SPECIFICATION (主要規格)

- Measuring accuracy : 0.2% F.S. $\pm 0.5^{\circ}\text{C}$ (CJC)
(精確度)
- Sampling time : 10 cycles/sec.
(取樣時間)
- Analog output resolution : 15 bit DAC
(類比輸出解析度)
- Response time : $< 250\text{ ms}$ (0-90%)
(輸出反應速度)
- Offset range(input) : 0- $\pm 99.9^{\circ}\text{C}$ ($^{\circ}\text{F}$)
(熱電耦誤差補償)
- Output drive capability : $< 10\text{mA}$ for voltage mode
(輸出負載能力)
 $< 10\text{V}$ 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)
- Temp. coefficient : 50ppm/ $^{\circ}\text{C}$ (0-50 $^{\circ}\text{C}$)
(溫度係數)
- Display : Red high efficiency LEDs high 10.16 mm (0.4")
(顯示幕)
- Parameter setting : Touch switches
(參數設定方式)
- Memory mode : Non-volatile E² PROM memory
(記憶方式)
- Isolation : Input/Output/Power/Case
(隔離特性)
- Insulation Resistance : $> 100\text{Mohm}$ 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 $^{\circ}\text{C}$ (20 to 90% RH non-condensed)
(使用環境條件)
- Storage condition : 0-70 $^{\circ}\text{C}$ (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)



4.Dimension(unit:mm)(外型尺寸)



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