

微電腦型熱電偶隔離傳送器

(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))
- 高精度度冷接點溫度補償(CJC traceability $< \pm 0.5^{\circ}\text{C}$ (0~70 $^{\circ}\text{C}$))
- 熱電偶誤差補償,與斷線保護功能(Sensor error compensation(offset) and burnout protection function)
- 16 BIT 隔離類比輸出(16 bit DAC isolating analog output)
- 多種熱電偶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)

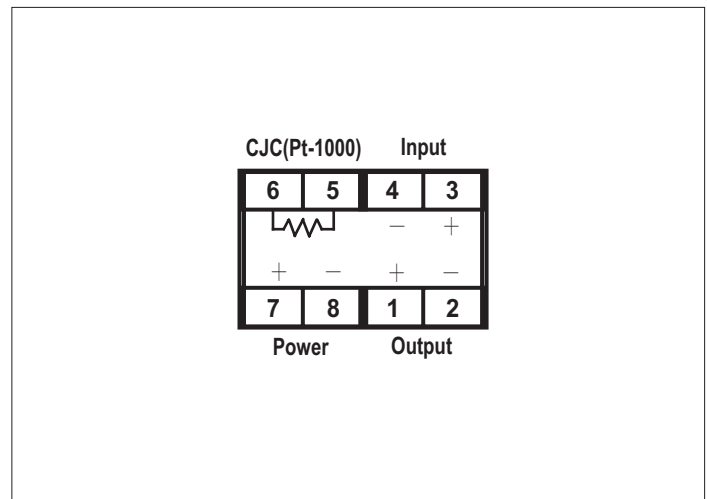
NO	Input Type	NO	Input Type	NO	Output Range	NO	Output Range	NO	Output Range	NO	Aux. Power
B	B(200~1800 $^{\circ}\text{C}$)	R	R(0~1760 $^{\circ}\text{C}$)	A	DC0~50mV	E	DC2~10V	I	DC4~20mA	A	AC/DC 18~60V
E	E(-185~990 $^{\circ}\text{C}$)	S	S(0~1750 $^{\circ}\text{C}$)	B	DC0~1V	F	DC0~1mA	R	SPECIFIED	B	AC/DC 90~260V
J	J(-200~760 $^{\circ}\text{C}$)	T	T(-200~395 $^{\circ}\text{C}$)	C	DC1~5V	G	DC0~10mA			C	AC110V(50/60Hz) $\pm 20\%$
K	K(-200~1360 $^{\circ}\text{C}$)		$\bullet T=(9/5)^{\circ}\text{C}+32$	D	DC0~10V	H	DC0~20mA			D	AC220V(50/60Hz) $\pm 20\%$

• Less 3VA for AC/DC input

2.SPICIFICATION (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 : 16 bit DAC
(類比輸出解析度)
- Response time : < 250 ms (0~90%)
(輸出反應速度)
- Offset range(input) : 0~ $\pm 99.9^{\circ}\text{C}$ ($^{\circ}\text{F}$)
(熱電偶誤差補償)
- Output drive capability : < 10mA for voltage mode
< 10V for current mode
(輸出負載能力)
- 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 : >100M ohm with 500V DC
(絕緣阻抗)
- Dielectric strength : 2KVac/1 min. (input/output/power)
1600Vdc (input/output)
(絕緣耐壓能力)
- Operating condition : 0~60 $^{\circ}\text{C}$ (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)
- CE EMC Certification : EN 55022:1998/A1:2000 Class A
EN 61000-3-2:2000
EN 61000-3-3:1995/A1:2001
EN 55024:1998/A1:2001
(CE 認證)

3.TERMINAL CONNECTION (接線圖)



4.DIMENSION(unit:mm) (外型尺寸)

