

微電腦型熱電偶隔離雙輸出傳送器

(DUAL OUTPUT MICROPROCESS THERMOCOUPLE ISOLATED TRANSMITTER)

MODEL
DTMT



■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))
- 高精確度冷接點溫度補償(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/輸出1/輸出2絕緣耐壓2千伏特/1分鐘(Dielectric strength 2KVac/1min. (input/output1/output2/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:DTMT-□ □ □ □

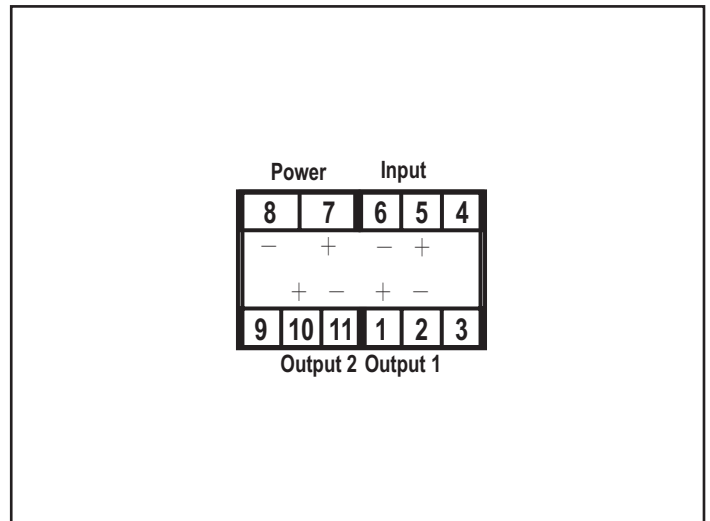
(選購型號)

NO	Input Type	NO	Input Type	NO	Output 1	NO	Output 1	NO	Output 2	NO	Output 2	NO	Aux. Power
B	B(200~1800 $^{\circ}\text{C}$)	R	R(0~1760 $^{\circ}\text{C}$)	A	0~50mV	F	0~1mA	A	0~50mV	F	0~1mA	A	AC/DC 18~60V
E	E(-185~990 $^{\circ}\text{C}$)	S	S(0~1750 $^{\circ}\text{C}$)	C	1~5V	H	0~20mA	C	1~5V	H	0~20mA	B	AC/DC 90~260V
J	J(-200~760 $^{\circ}\text{C}$)	T	T(-200~395 $^{\circ}\text{C}$)	D	0~10V	I	4~20mA	D	0~10V	I	4~20mA		• Less 4VA for AC/DC input
K	K(-200~1360 $^{\circ}\text{C}$)	F	F(9/5 $^{\circ}\text{C}$ +32)	E	2~10V	R	SPECIFIED	E	2~10V	R	SPECIFIED		

2.SPICIFICATION (主要規格)

- Measuring accuracy (精確度) : 0.2% F.S. $\pm 0.5^{\circ}\text{C}$ (CJC)
- Sampling time (取樣時間) : 10 cycles/sec.
- Analog output resolution (類比輸出解析度) : 16 bit DAC
- Response time (輸出反應速度) : < 250 ms (0~90%)
- Offset range(input) (熱電偶誤差補償) : 0~ $\pm 99.9^{\circ}\text{C}$ ($^{\circ}\text{F}$)
- Output drive capability (輸出負載能力) : < 10mA for voltage mode
< 10V for current mode
- Output ripple (p-p) (輸出之漣波) : < 0.1% F.S.
- Zero (offset) range (歸零調整範圍) : 0~ ± 9999 Digit adjustable(output1)
0~ ± 5 %F.S.(output2)
- Span (scale) range (最大值調整範圍) : 0~ ± 9999 Digit adjustable(output2)
0~ ± 10 %F.S.(output2)
- Temp. coefficient (溫度係數) : 50ppm/ $^{\circ}\text{C}$ (0~50 $^{\circ}\text{C}$)
- Display (顯示幕) : Red high efficiency LEDs high 10.16 mm (0.4")
- Parameter setting (參數設定方式) : Touch switches
- Memory mode (記憶方式) : Non-volatile E² PROM memory
- Isolation (隔離特性) : Input/Output1/Output2/Power/Case
- Insulation Resistance (絕緣阻抗) : >100M ohm with 500V DC
- Dielectric strength (絕緣耐壓能力) : 2KVac/1 min. (input/output1/output2/power)
1600Vdc (input/output1/output2)
- Operating condition (使用環境條件) : 0~60 $^{\circ}\text{C}$ (20 to 90% RH non-condensed)
- Storage condition (存放環境條件) : 0~70 $^{\circ}\text{C}$ (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)

