

MICROPROCESS THERMOCOUPLE ISOLATED TRANSMITTER

MODEL
TMT



(FEATURES)

- Accuracy 0.2% F.S. $\pm 0.5^{\circ}\text{C}$ (CJC)
- CJC traceability $< \pm 0.5^{\circ}\text{C}$ (0-70 $^{\circ}\text{C}$)
- Sensor error compensation (offset) and burnout protection function
- 15bit DAC isolating analog output
- Wide selection of input/output range
- Dielectric strength 2KVac/1min. (input/output/power)
- Wide input range for auxiliary power
- Dimension small and High stability

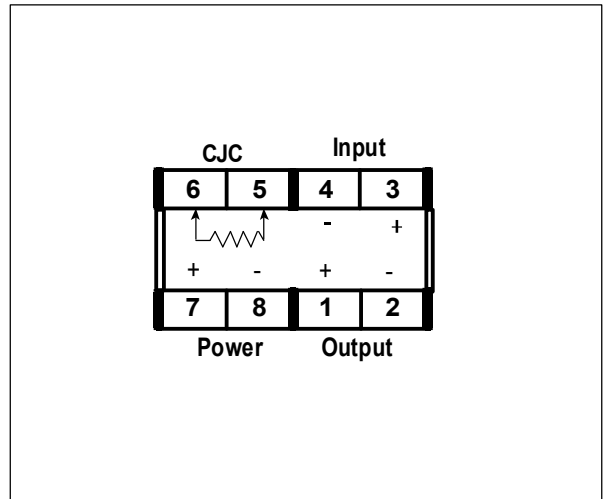
1. MODEL: TMT-() () ()

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				# Less 3VA for AC/DC input
K	K(-200-1360 $^{\circ}\text{C}$)	# $^{\circ}\text{F}=(9/5)^{\circ}\text{C}+32$		D	DC0-10V	H	DC0-20mA				

2. SPECIFICATION

- # Measuring accuracy : 0.2% F.S. $\pm 0.5^{\circ}\text{C}$ (CJC)
- # Sampling time : 10 cycles/sec.
- # Analog output resolution : 15 bit DAC
- # Response time : < 250 ms (0-90%)
- # Offset range (input) : 0 \pm 99.9 $^{\circ}\text{C}$ ($^{\circ}\text{F}$)
- # Output drive capability : < 10mA for voltage mode
< 10V for current mode
- # Output ripple (p-p) : < 0.1% F.S.
- # Zero (offset) range : 0- 9999 digit adjustable
- # Span (scale) range : 0- 9999 digit adjustable
- # Temp. coefficient : 50ppm/ $^{\circ}\text{C}$ (0-50 $^{\circ}\text{C}$)
- # Display : Red high efficiency LEDs high 10.16 mm (0.4")
- # Parameter setting : Touch switches
- # Memory mode : Non-volatile E² PROM memory
- # Isolation : Input/Output/Power/Case
- # Insulation Resistance : >100M ohm with 500V DC
- # Dielectric strength : 2KVac/1 min. (input/output/power)
1600Vdc (input/output)
- # Operating condition : 0-50 $^{\circ}\text{C}$ (20 to 90% RH non-condensed)
- # Storage condition : 0-70 $^{\circ}\text{C}$ (20 to 90% RH non-condensed)
- # Construction : Socket/plugin type with barrier terminals

3. Terminal connection



4. Dimension (unit:mm)

