

# ULTRA SLIM TYPE TEMPERATURE ISOLATED TRANSMITTER

MODEL  
SSTMT



SSTM

## ■ FEATURES

- Accuracy 0.1% F.S.(Pt-100), 0.2% F.S.  $\pm 0.5^{\circ}\text{C}$  (CJC)(TC)
- Input sensor type (Pt-100/I/K/T/E/R/S/B) and output range(-1999.9~9999.9 $^{\circ}\text{C}/^{\circ}\text{F}$ ) can be modify for handy meter)
- Wide switchable select DC output ranges over 20 standard process signal
- Thermocouple input burnout protection function)
- Dielectric strength 1.5KVac/1 min.(input/output)
- Wide input range for auxiliary power
- Dimension small & High stability

### 1.MODEL:SSTMT-□ □ □

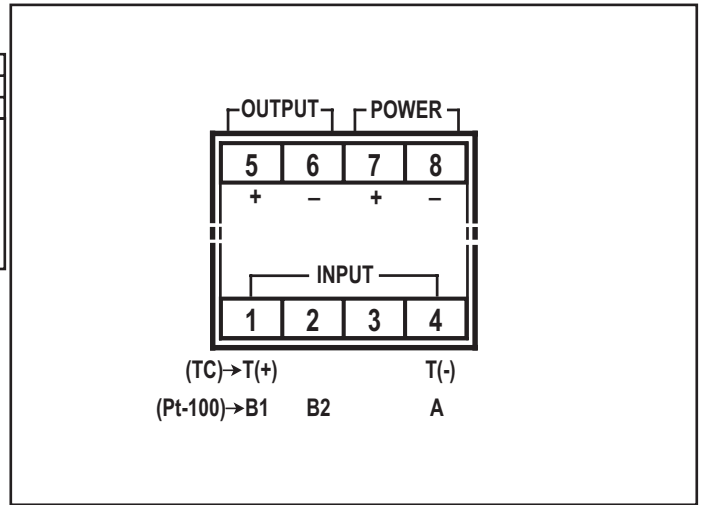
NO	Input Type	NO	Output Range	NO	Output Range	NO	Aux.Power
P	Pt-100(-200~850 $^{\circ}\text{C}$ )	A	0~0.5V	J	0~1mA	A	DC20~60V
B	B(200~1800 $^{\circ}\text{C}$ )	B	0~1V	K	0~2mA	B	AC/DC90~240V
E	E(-185~990 $^{\circ}\text{C}$ )	C	0~2V	L	0~5mA		• Less 0.8VA for AC/DC input
J	J(-200~760 $^{\circ}\text{C}$ )	D	0~4V	M	1~5mA		
K	K(-200~1360 $^{\circ}\text{C}$ )	E	0~5V	N	0~10mA		
R	R(0~1760 $^{\circ}\text{C}$ )	F	1~5V	O	0~16mA		
S	S(0~1760 $^{\circ}\text{C}$ )	G	0~8V	P	0~20mA		
T	T(-200~395 $^{\circ}\text{C}$ )	H	0~10V	Q	4~20mA		
		I	2~10V	R	SPECIFIED		

### 1-1.MODEL:HM:Handly meter for SSTMT programmable

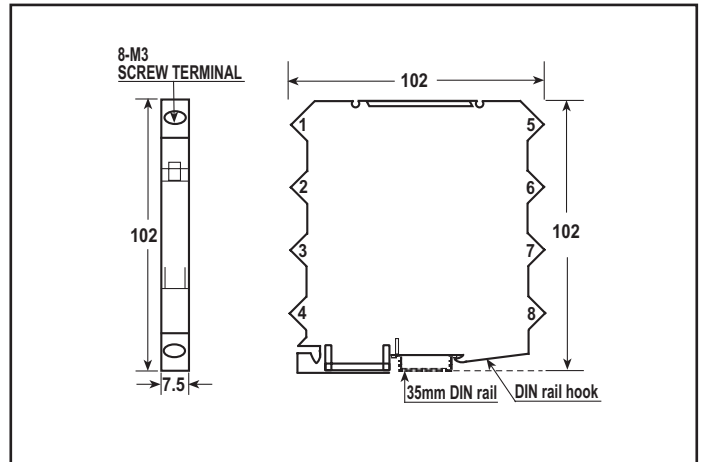
#### 2.SPICIFICATION

- Measuring accuracy : 0.1% F.S.(Pt-100)  
0.2% F.S.  $\pm 0.5^{\circ}\text{C}$  (CJC)(Thermocouple)
- Cold junction compensation accuracy:  $< \pm 0.5(0\sim 70^{\circ}\text{C})$
- Sampling time : 16 cycles/sec.
- Analog output resolution : 16 bit DAC
- Response time :  $< 250\text{ms}$  (0~90%)
- Offset range(input) :  $0\sim \pm 99.9^{\circ}\text{C}/^{\circ}\text{F}$  (use handy meter)
- Output drive capability :  $< 10\text{mA}$  for voltage mode  
 $< 10\text{V}$  for current mode
- Output ripple(p-p) :  $< 0.1\%$  F.S.
- Zero (offset) range :  $0\sim \pm 6000$  digit adjustable(use handy meter)  
 $0\sim \pm 5\%$  F.S.(VR adjustable)
- Span (scale) range :  $0\sim \pm 6000$  digit adjustable(use handy meter)  
 $0\sim \pm 10\%$  F.S.(VR adjustable)
- Temp. coefficient :  $50\text{ppm}/^{\circ}\text{C}$  (0~50 $^{\circ}\text{C}$ )
- Parameter setting : Touch switches(use handy meter)
- Memory mode : Non-volatile E<sup>2</sup> PROM memory
- Isolation : Input/Output/Power/Case
- Dielectric strength : 1.5KVac/1 min. (input/output/power)  
1200Vdc (input/output1/output2)
- Operating condition :  $0\sim 60^{\circ}\text{C}$  (20 to 90% RH non-condensed)
- Storage condition :  $0\sim 70^{\circ}\text{C}$  (20 to 90% RH non-condensed)
- Terminal type : M3 screw terminal
- Construction : 35mm DIN rail (EN50022)
- 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

### 3.TERMINAL CONNECTION



### 4.DIMENSION (unit:mm) (外型尺寸)



### 5.OUTPUT SWITCHING TABLE (switching status 1=on ; 0=off)

Output range	1-2-3-4-5-6	7-8	Output range	1-2-3-4-5-6	7-8
0~0.5V	0-1-1-1-1-0	1-1	0~1mA	0-1-1-1-1-0	0-0
0~1V	1-0-1-1-1-0	1-1	0~2mA	1-0-1-1-1-0	0-0
0~2V	1-1-0-1-1-0	1-1	0~5mA	0-1-0-1-1-0	0-0
0~4V	1-1-1-0-1-0	1-1	1~5mA	1-1-0-1-1-1	0-0
0~5V	1-0-1-0-1-0	1-1	0~10mA	1-0-1-0-1-0	0-0
1~5V	1-1-1-0-1-1	1-1	2~10mA	1-1-1-0-1-1	0-0
0~6V	1-1-0-0-1-0	1-1	0~16mA	1-1-1-1-0-0	0-0
0~8V	1-1-1-1-0-0	1-1	0~20mA	1-1-0-1-0-0	0-0
0~10V	1-1-0-1-0-0	1-1	4~20mA	1-1-1-1-0-1	0-0
2~10V	1-1-1-1-0-1	1-1			