

## Applications & Features

- These sensors/transmitters can be used for temperature measurement in duct air (T2/TT2), water and steam pipe (T4/TT4) and outside air (T3/TT3)
- High performance thermistor & RTD, ensure accurate temperature measurement
- Multiple output optional, Light and state of art housing, easy installation
- Over voltage and reverse polarity protection, high reliability and anti-interference capability
- Wide temperature range and fast response
- High protection rate up to IP65

## Specifications

### T2, 3, 4 series temperature sensor

**Sensor:** High accuracy thermistor or RTD

**Output:** Thermistor /RTD, 2 wires or 3 wires

**Accuracy:** typical  $\pm 0.2 \sim 0.4^{\circ}\text{C}@25^{\circ}\text{C}$ , see models

**Wiring:** 2 wires or 3 wires (RTD) (3 wires connection could obtain better accuracy)

### TT2, 3, 4 series temperature transmitter

**Sensor:** thermistor or RTD, see models

**Range:** see models

**Output:** thermistor or RTD, see models

**Output Load:**  $\leq 500\Omega$  (current),  $\geq 2\text{K}\Omega$  (voltage)

**Total accuracy:**  $\leq \pm 0.5^{\circ}\text{C}@0 \sim 50^{\circ}\text{C}$ , see accuracy curve

**Power:** Current 18.5~35VDC ( $R_{load}=500\Omega$ )

8.5~35VDC ( $R_{load}=0\Omega$ )

Voltage 15~35VDC, 15~28VAC

**Work Temp.:**  $-40 \sim 85^{\circ}\text{C}$ , 0~95%RH (Non condensing)

**Medium Temperature:**  $-40 \sim 100^{\circ}\text{C}$

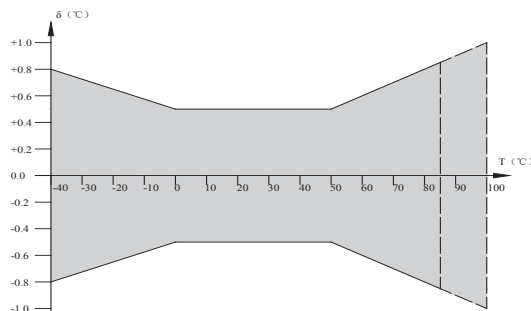
**Storage Temperature:**  $-40 \sim 85^{\circ}\text{C}$

**Housing:** fireproof ABS, SS probe, SS Well

**Protection:** IP65

**Approval:** CE

**Accuracy Curve:**



## Models

### T2, 3, 4 temperature sensors

Model	T2	T3	T4	
				Duct mount temperature sensor Outside air temperature sensor Immersion temperature sensor
Thermistor or RTD				3 PT1000, $\pm 0.2^{\circ}\text{C}@25^{\circ}\text{C}$ 4 PT100, $\pm 0.2^{\circ}\text{C}@25^{\circ}\text{C}$ 5 NTC20K, $\pm 0.4^{\circ}\text{C}@25^{\circ}\text{C}$ 6 Ni 1000, $\pm 0.4^{\circ}\text{C}@25^{\circ}\text{C}$ 7 NTC10K-II, $\pm 0.4^{\circ}\text{C}@25^{\circ}\text{C}$ 9 NTC10K-III, $\pm 0.4^{\circ}\text{C}@25^{\circ}\text{C}$ A NTC10K-A, $\pm 0.4^{\circ}\text{C}@25^{\circ}\text{C}$
Length (T2/T4)				1 125mm 2 200mm 7 Others

### TT2, 3, 4 series temperature transmitter

Model	TT2	TT3	TT4	
				Duct mount temperature transmitter Outside air temperature transmitter Immersion temperature transmitter
Output				1 0~10V 2 4~20mA(2 wires)
Range				1 0~50 $^{\circ}\text{C}$ 2 0~100 $^{\circ}\text{C}$ 3 -40~60 $^{\circ}\text{C}$ 7 others
Well Length (TT2/4)				1 125mm 2 200mm 7 Others

### T4/TT4 Install Well

Model	A-T		Stainless Steel Well
Probe Length		1 125mm 2 200mm	