

# Humidity and Temperature Transmitter

The STH series Humidity and Temperature Transmitter employ digital temperature and humidity sensor and low power MCU. The product has characteristics, such as fast response time, high precision, long-term stability and etc, and it can be applied in areas where a humidity and temperature measurement is required, such as heating ventilation air conditioner, telecoms station, computer room, warehouse, textile workshop, grain reserve, tobacco storage, and etc.

**Features:**

- Structure with both humidity and temperature sensors.
- Auto-recovery capability in case of water invasion.
- Easy to install due to its professional design and delicate structure.
- Multiple choices of current, voltage, and RS485 output.
- Measurement range can be determined by customers' order with flexibility and convenience.
- Stainless steel case and bronze filter are employed in the probe, enabling its reliability on different extreme conditions.
- Special orders can be used for pressure monitor within tank or pipeline and for the sites with high humidity and high temperature.

**Specifications:**

- Measurement range:  
Temperate: -40~120°C; Humidity: 0~100%RH
- Accuracy: please see 'How to order' .
- Output: 4~20mA 0~10V. RS485 is available.
- Load resistance: Electric current ≤500Ω; Voltage ≥10k Ω.
- Power supply: 12~30V DC.
- Power Consumption: ≤1W.

**How to order**


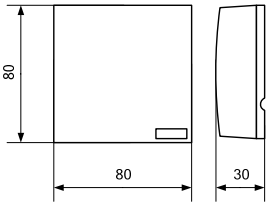

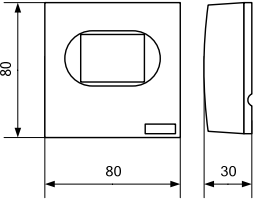

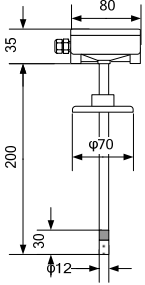

<p>T Style Code _____</p> <p>W1=Wall-mounted type W2=Wall-mounted with LCD D=Duct F=Split type</p> <p>R Measurement ranges _____</p> <p>HT1= 00 50 100 RH HT2= -20 80 100 RH H=00 100 T1=00 50 T2=-20 80 <input type="checkbox"/> Customize 00 100 RH 00 100 RH RH RH d</p> <p>O Output _____</p> <p>A=4 20mA V=0 10V D=RS485 E=Ethernet <input checked="" type="checkbox"/> Customized</p> <p>P Accuracy _____</p> <p>2= 0.3 2 RH 3= 0.4 3 RH 5= 0.5 4.5 RH <input checked="" type="checkbox"/> Customize d</p> <p>S Special Requirements _____</p>	<p>STH-T R O P S</p>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------

0 None 9=12V DC Supply Customized

Note: 1.The 'Customized' option should be filled your requirements directly.  
 2.Please note that the following are the options in the R section! HT stands for Humidity and Temperature Transmitter; H stands for Humidity Transmitter; T stands for Temperature Transmitter.  
 3.The STH-TF standard cable length is 1 metre, the specific length can be filled with numbers under the S?option. (e.g. SL3 indicates a 3 meters long cable).  
 4.Special requirements' if there are any more options, please use the '/' fill it in seriate.  
 5.The standardized installation for products in the TD and TF series consist movable flanges. It also has the threaded sleeve and the welding thread installation alternatives to choose from, which must be specified under the S?option.  
 6.Special requirements' if there are any more options, please use the '/' fill it in seriate.

For Example: STH-TW1-----RHT2-----OA-----P3-----S0  
 Wall-mounted sensors Measurement range Output Accuracy Non e

# Humidity and Temperature Transmitter

Picture	Dimensional Drawing
 <p>TypeW1</p>	
 <p>TypeW2</p>	
 <p>TypeD</p>	
 <p>TypeF</p>	