

Main specifications

▼Size

Φ90 x 54mm

(The base has fixed holes, no need for a mounting bracket)

Fixed hole distance : 87±1mm

▼Installation type

Wall mount / Duct / Remote reading

▼Temperature and humidity range

0~100% RH

0~100°C, -20~+80°C,

0~ 50°C, -40~+60°C

Other temperature range can be specified

▼Operating temperature range

-40°C~+85°C

(-40°F~+185°F)

▼Sensor protection

Dustproof (standard)

Interference filter cover (optional)

▼Protection level

IP65

Main specifications

▼Case

ABS

▼Output signal

Type A: Current output type
Temperature and humidity:
4-20mA (2-wire system)

Type V: Voltage output type
0-1V / 0-5V / 0-10V / 1-5V

▼Sensor material

Temperature: RTD Pt100Ω

DIN, IEC 751

Humidity: Thin-film polymer capacitive

▼Voltage supply

12-40 VDC , >150mA

▼Connector

Waterproof quick connector and terminal block

Applicable wire outer diameter: Φ5.0~10mm

▼Accuracy

±2.0% RH / ±0.3°C

▼Stability

<1% RH/year

(Normal use in a stable environment)

▼Temperature compensation

±0.008% RH/°C (@0%RH)

▼Reaction time

Approximately 15 seconds

▼Weight

Approximately 150g

Temperature and Humidity Signal Transmitter

Model: THT-R Series

Introduction

The THT-R series temperature and humidity transmitters use a thin-film polymer capacitive humidity sensor and a platinum (PT100Ω) temperature sensor, allowing for precise measurement of temperature and relative humidity. They provide long-term stable signal output and are convenient and quick for installation, disassembly, wiring, and adjustment. They are suitable for places, environments, and industrial applications that require monitoring of temperature and humidity, as well as process control.



Remote reading



Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

Features

- OEM service
- Optional current output / voltage output
- Sensor material uses RTD Pt100Ω
- Three installation types available
- Accuracy ±2.0% RH / ±0.3°C
- Waterproof and dustproof enclosure, compliant with IP65 standards
- Built-in two-point calibration

Wall mount



Duct



How to order

THT-R Series Temperature and Humidity Signal Transmitter									
Std.	Spec.	Code	Item	Code	Item	Code	Item	Code	Item
W	Installation type	W	Wall mount	D	Duct	S	Remote reading	–	–
1	Temperature range	1	0~100°C	2	-20°C~80°C	3	0~50°C	4	-40°C~60°C
		O	Others	–	–	–	–	–	–
A	Output signal	A	Type A: 4-20mA (2-wire system)	V1	Type V: 0-1 V	V2	Type V: 0-5 V	V3	Type V: 0-10V
		V4	Type V: 1-5V	–	–	–	–	–	–
/D	Other requests	/A	Third party notarized document						
		/B	Inspection report (issued by Re-Atlantis)						
		/C	Tag						
		/D	Sensor protection – Interference filtering cover						

Order example: THT-R - W - 1 - A - /D