

THS23/24/25

2-wire Temperature & Humidity Transmitter for Indoor / Duct / Remote Type

APPLICATIONS

Features

- 2-wire loop design.
- Compact design, good look and easy to install.
- An economical choice, high C/P ratio.
- Foreign-made sensor component with high accuracy and long-term stability.

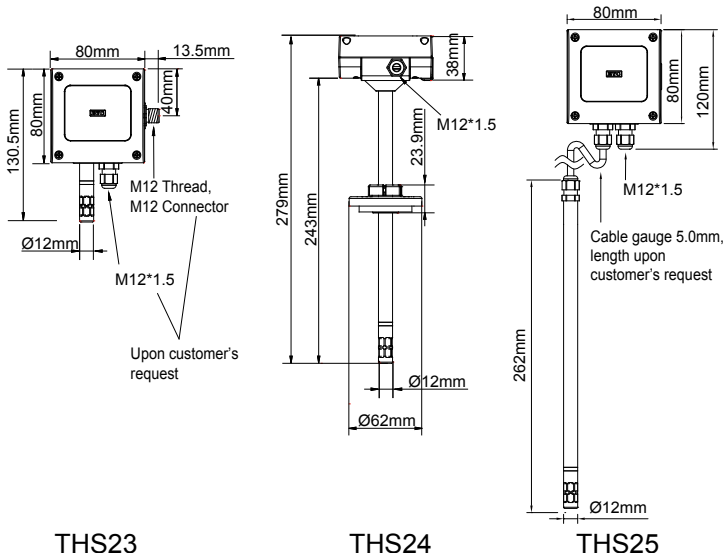
Applications

- Monitoring for HVAC process / air conditioning / environmental ventilation control.
- Environmental monitoring for building / factory / clean room / Lab.
- Monitoring for storeroom / crisper / agriculture / food industry.
- Temperature and humidity measuring in hospital / pharmaceutical industry / textile industry.



| THS 23 | - | A | 1 | 1 | 30 | - | N |
|---|--|---|------------|----------------|---------------------------------|--|---|
| Installation | Function | | Output | Power Supply | Temperature Range | Option | |
| 23 : indoor 24 : duct-mounting 25 : remote type | A : temperature & humidity output H : humidity output T : temperature output | | 1 : 4~20mA | 1 : 24 VDC±15% | 30 : 0~50°C W : special span | N : none M : M12*1 connector 5 : 5-meter cable (THS25) | |

DIMENSION



TECHNICAL SHEET

INPUT

Input..... capacitive humidity sensor & PT 100 Ω
 Measuring range.....temperature: 0~50°C ; humidity : 0~100%
 Working rangetemperature: 0~50°C ; humidity : 5~95%

OUTPUT

Output.....4~20mA ; 2-wire

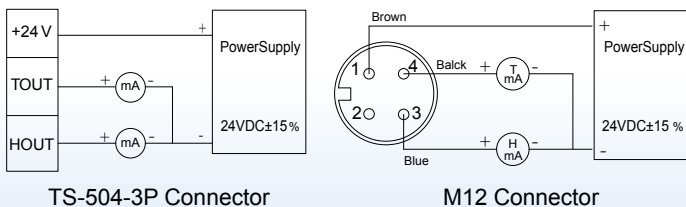
ACCURACY (at 25°C)

Temperature ±0.3°C+0.002°C x factual
 Humidity..... ± 2%RH (40~60%) ; ±3%RH (10~95%)
 Load resistance ≤ 500Ω
 Output calibration (ZERO & SPAN) adjustment range
10% of zero-point and full-range
 Response time t90 (at 25°C) < 20S

ENVIRONMENT

Media measured..... air
 Media temperature0~50°C
 Storage temperature.....-25~60°C

CONNECTION DIAGRAM



ELECTRICAL REGULATION

Power supply 24VDC ±15%
 Electrical connection..... TS-504-3P connector / M12 connector
 Installation indoor / duct-mounting / remote type with flange
 Protection degreeIP 65 (Sensor: IP 20)
 Electrical protectionpolarity protection
 Certification..... CE
 Housing PC fire-proof class (PC-110)
 Probe PC fire-proof class (PC-110)
 TH25 cablePVC
 Weight THS23: 117g / THS24: 162g / THS25: 219g
 Option water-proof shield for outdoor use