

# THS03/04/15



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

### APPLICATIONS

#### Features

- With compact design and reasonable price, easy to install, high C/P ratio.
- Foreign-made sensor with high accuracy and long-term stability.

#### Applications

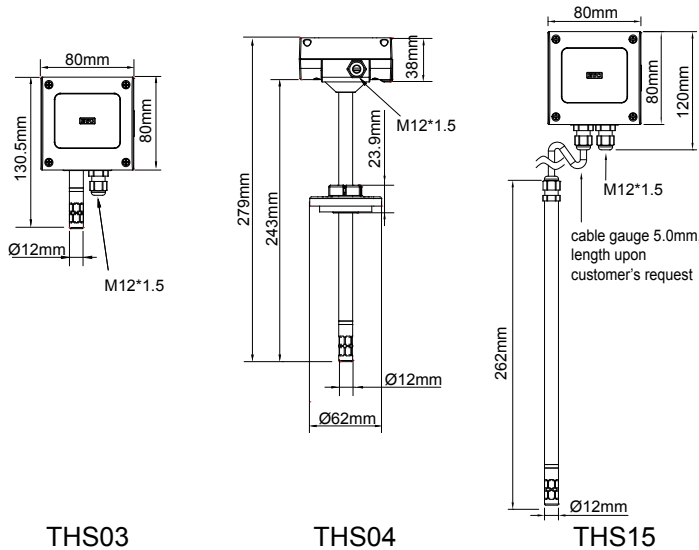
- Monitoring for HVAC process / air conditioning / environmental ventilation control.
- Environmental monitoring for building / factory / clean room / Lab
- Monitoring for storeroom / crisper / agriculture / food industry.
- Temperature and humidity measuring in hospital / pharmaceutical industry / textile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



THS **04** - **A** **1** **1** - **30** **00** - **N**

Installation	Function	Output	Power Supply	Temperature Range	Humidity	Option
03 : indoor type 04 : duct-mounting 15 : remote type	A : temperature & humidity output H : humidity output T : temperature output	1 : 4~20mA 6 : 0-10V	1 : 24 VDC±15%	30 : 0~50°C 14 : -40~60°C XX : N/A (humidity only) W : special span	00 : 0~100% XX : N/A (temperature only)	N : none 5 : 5-meter cable (THS15) S : fritted glass base D : LCD display

### DIMENSION



### TECHNICAL SHEET

#### INPUT

Input..... capacitive humidity sensor & PT 100 Ω  
 Measuring range.....temperature: upon request  
 .....humidity: 0~100%  
 Working range.....temperature: -40~60°C ; humidity: 0~95%

#### OUTPUT

Output..... 4~20mA ; 3-wire  
 Connection of signal ..... 3-wire loop  
 Display type ..... LCD Module with back light, double line character  
 Display range ..... upon request, one decimal place  
 Height of character ..... 5.56mm

#### ACCURACY (at 25°C)

Temperature ..... ±0.3°C+0.002°C x tactual  
 Humidity..... ±2% RH  
 Load resistance ..... 4~20mA ≤ 500Ω / 0~10V ≥ 10KΩ  
 Output calibration (ZERO & SPAN) adjustment range .....  
 ..... 10% of zero-point and full-range  
 Response time t90 (at 25°C) ..... < 20S

#### ENVIRONMENT

Media measured..... air  
 Working temperature..... housing: 0~50°C ; probe: -40~60°C  
 Working humidity..... 0~95 % (non-cond.)  
 Storage temperature..... -25 ~ +60°C

#### ELECTRICAL REGULATION

Power supply..... 24VDC ± 15%  
 Electrical connection..... 4P connector  
 Installation ..... indoor / duct-mounting / remote type with flange  
 Protection degree ..... IP 65 (Sensor: IP 20)  
 Electrical protection ..... polarity protection  
 Certification..... CE  
 Housing ..... PC fire-proof class  
 Probe ..... PC fire-proof class  
 cable (THS15) ..... PVC  
 Option ..... water-proof shield for outdoor use / metal connector  
 Weight ..... THS03: 119g / THS04: 164g / THS15: 221g

### CONNECTION DIAGRAM

