

3-WIRE TEMPERATURE & HUMIDITY TRANSMITTER FOR INDOOR / DUCT/ REMOTE TYPE

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.

FEATURES

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



Preliminary Data

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	00 : 0 ~ 100% XX : N/A (temperature only)	N : none 5 : 5-meter cable (THS15) S : fritted glass base D : LCD display				

TECHNICAL SPECIFICATION:

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

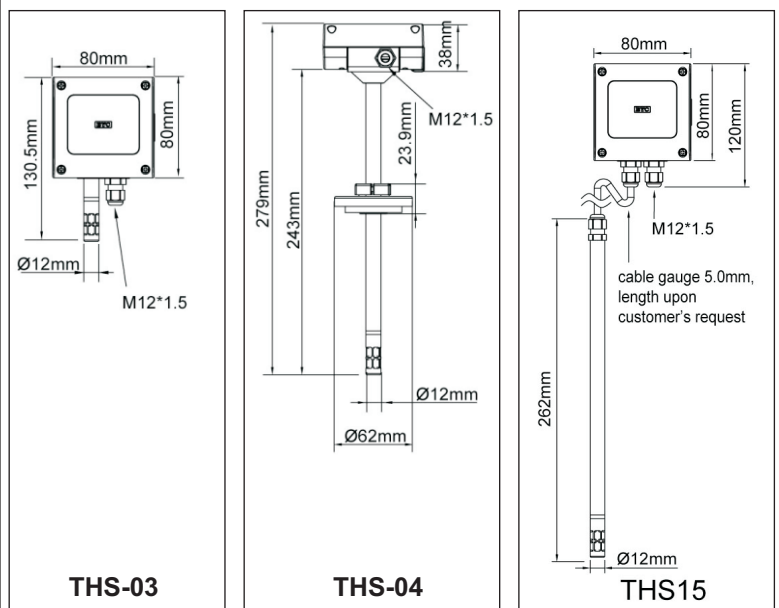
OUTPUT
 Output.....4~20mA ; 3-wire
 Connection of signal.....3-wire loop
 Display type.....LCD Module with back light, double line character
 Display range.....upon request, one decimal place
 Height of character.....5.56mm

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

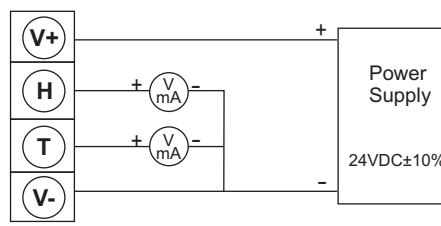
ENVIRONMENT
 Media measured.....air
 Working temperature.....housing: 0~50°C ; probe: -40~60°C
 Working humidity.....0~95% (non-cond.)
 Storage temperature.....-25 ~ +60°C

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

DIMENSION:



CONNECTION DIAGRAM:



4P Connector

4-20mA / 0-10V

Note: All Specification are Subject to change without prior notice.