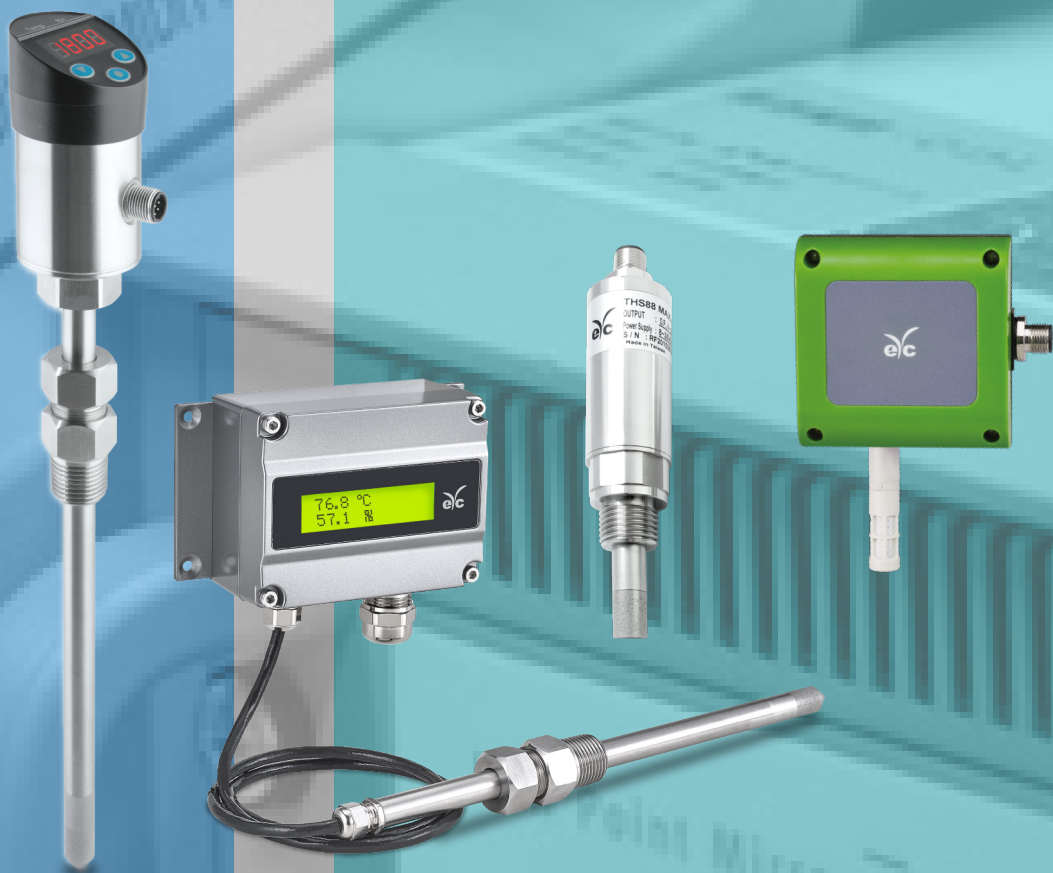


Measuring Specialist

Humidity / Dew Point Series



Calibration lab (ISO / IEC 17025)
Factory automatic QC inspection system (IEC 61298 / ISO 9001)





Welcome to eyc-tech



About eyc-tech

eyc-tech is dedicated to manufacturing measurement products.

With professional R&D team, certificated factory and decades of experience in field, eyc-tech keeps bringing innovation to sensor technology and measurement technology. We provide wide range of measuring products includes airflow, temperature and humidity, dew point, liquid flow, differential pressure, pressure, liquid level, air quality, signal meter, etc. Our products cover many industries such as industrial process, system integration, exhaust gas removal, compressed dry air and HVAC.

In the future, we will continually challenge ourselves in the professional and develop innovative products to exceed the high standard of our customers.

eyc-tech Measuring Specialist

Enhance your capability with sensor technology. Using sunlight, air and water as the brand spirit to meet the goal of sustainable management.

Main Focus

From traditional industries to innovative industries, we help people in various fields and provide wide range designed sensor and transmitter.

Core Ability

To validate our products, we established a calibration laboratory traced back to the international standards.

We follow these standards to evaluate sensor accuracy, and to ensure our product meets customer's high requirement.



YUDEN-TECH CO.,LTD. Calibration Laboratory

International Laboratory Accreditation Cooperation;
ILAC TAF (ISO / IEC 17025) Accreditation No.3032



To validate our products, we established a calibration laboratory (Calibration laboratory of YUDEN-TECH CO.,LTD) traced back to the international standards.

We follow these standards to evaluate sensor accuracy, and to ensure our product meets customer's high requirement.

The calibration laboratory of YUDEN-TECH CO.,LTD has the TAF (ISO/IEC 17025) certification (certification number: 3032) of the professional calibration laboratory for temperature and humidity, dew point, air velocity, flow, and pressure.

It provides accurate calibration services through TAF on behalf of Internationally recognized grade standards and can be traced back to the SI unit. Our calibration laboratory has the measurement uncertainty evaluation report and calibration procedures for each system. We believe that after our service will help our clients to maintain the best quality and stability of your sensor and instrumentation standards.



Air Velocity



Dew Point



Flow



Humidity



Temperature



Pressure



Contents

THS88MAX Industrial Dew Point Transmitter	P01
THM88MAX Industrial dew point transmitter with display	P02
THM06 Industrial Temperature and Humidity Transmitter	P03
THM80X Series Industrial Grade High Accuracy Temperature & Humidity Transmitter.	P04
THM14EX EX-Series Temp. and Humidity Transmitter	P05
THE120 OEM Temperature and Humidity Transmitter	P06
THS30X Series Multifunction Temperature & Humidity Transmitter	P07
THS130/140 Temperature & Humidity Transmitter	P08
THS13/14 Temperature & Humidity Transmitter	P09
THR23 Indoor Temperature & Humidity Transmitter	P10
THS17 Temperature and Humidity Transmitter (Digital / Analog)	P11
THS07 Temperature & Humidity Transmitter for Probe Type	P12
TP01 Temperature Transmitter(2-Wire RTD Head-Mounting Type)	P13
TP02 Temperature Transmitter for DIN-rail Type	P14
TP04 Temperature Transmitter (2-wire for duct type)	P15





Dew Point

THS88MAX

Industrial Dew Point Transmitter

- Features: Suitable for compressed dry air system and industrial drying system.
- Sensor type: Capacitive humidity sensor & Pt100
- Operating range of dew point: -60 ... +60 dp°C
- Output: RS-485+(4 ... 20 mA / 0 ... 10 V)
- Accuracy: ± 1 ... ± 2 dp°C
- IP rating: IP65(Housing) / Filter IP20(Housing)

THM88MAX

Industrial dew point transmitter with display

Dew Point



- Features : Suitable for compressed dry air system and industrial drying system. Integrated LED display. Faster response to low dew point.
- Sensor type : Capacitive humidity sensor & Pt100
- Operating range of dew point : -40 ... +60 dp°C
- Output : RS-485+(4 ... 20 mA / 0 ... 10 V)
- Accuracy : ± 1 ... ± 1.5 dp°C
- IP rating : IP65(Housing) / IP20(Filter)

 Measuring Specialist



Humidity

THM06

Industrial Temperature and Humidity Transmitter

- Features : Designed for industrial application. Resistant to high temperature and high pressure.
- Sensor type : Capacitive Humidity Sensor & Pt 100
- Measuring range : -40 ... +180 °C
- Output : 4 ... 20 mA / 0 ... 10 V / RS-485
- Accuracy : Temperature ± 0.15 °C / Humidity $\pm 2\%$ RH
- IP rating : IP67

THM80X Series

Humidity

Industrial Grade High Accuracy Temperature & Humidity Transmitter



- Features : Designed for industrial application. Resistant to high temperature and high pressure.
- Sensor type : Capacitive Humidity Sensor & Pt 100 A class
- Measuring range : 0 ... +180 °C
- Output : 0 ... 20 mA / 4 ... 20 mA / 0 ... 10 V
- Accuracy : Temperature ± 0.15 °C / Humidity $\pm 2\%$ RH
- IP rating : IP65

 Measuring Specialist



Humidity

THM14EX

EX-Series Temp. and Humidity Transmitter

- Features : Designed for industrial application. Explosion proof.
- Sensor type : Capacitive Humidity Sensor & Pt 100
- Measuring range : Temperature -20 ... +80 °C / Humidity 0 ... 100%RH
- Output : 4 ... 20 mA
- Accuracy : Temperature ± 0.3 °C / Humidity $\pm 2\%$ RH
- IP rating : IP66

THE120

Humidity

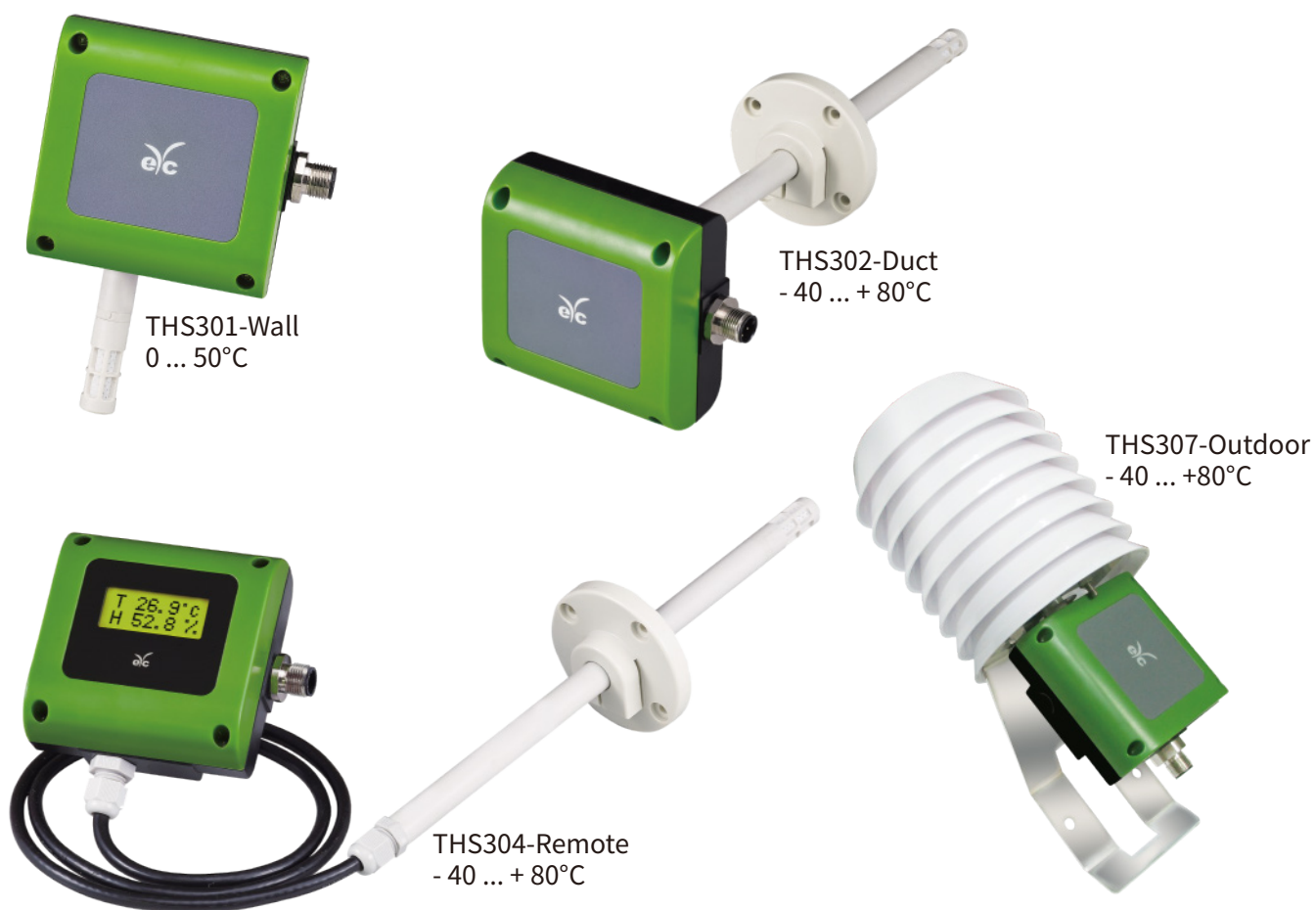
OEM Temperature and Humidity Transmitter



50 PCS/LOT

- Features: Suitable for small-sized device or equipment. Compact size. Various installation method.
- Sensor type: Capacitive Humidity Sensor & Pt 100
- Measuring range: Temperature 0 ... 100 °C / Humidity 0 ... 100%RH
- Output: 4 ... 20 mA / 0 ... 10 V / RS-485
- Accuracy: Temperature ± 0.2 °C / Humidity $\pm 2\%$ RH
- IP rating: IP65

 Measuring Specialist



Humidity

THS30X Series

Multifunction Temperature & Humidity Transmitter

- Features: Suitable for light industry. High accuracy. Various installation method.
- Sensor type: Capacitive Humidity Sensor & Pt 100 A class
- Measuring range: -40 ... +80 °C
- Output: 4 ... 20 mA / 0 ... 10 V / RS-485
- Accuracy: Temperature ± 0.2 °C / Humidity $\pm 2\%$ RH
- IP rating: IP65

THS130/140

Temperature & Humidity Transmitter

Humidity

THS140-Duct



THS130-Wall

- Features: Economic model for HVAC application.
- Sensor type: MEMS
- Measuring range: Temperature 0 ... 50 °C / Humidity 0 ... 100%RH
- Output: 4 ... 20 mA / 0 ... 10 V
- Accuracy: Temperature ± 0.5 °C / Humidity $\pm 3\%$ RH
- IP rating: IP54

THS14-Duct



THS13-Wall

Humidity

THS13/14

Temperature & Humidity Transmitter

- Features: Suitable for HVAC application.
- Sensor type: Capacitive Humidity Sensor & Pt 100
- Measuring range: Temperature 0 ... +50 °C / Humidity 0 ... 100%RH
- Output: 4 ... 20 mA
- Accuracy: Temperature ± 0.3 °C / Humidity $\pm 3\%$ RH
- IP rating: IP54

THR23

Humidity

Indoor Temperature & Humidity Transmitter



- Features : Suitable for HVAC and building management system application. Simple appearance.
- Sensor type : MEMS
- Measuring range : Temperature 0 ... 50 °C / Humidity 0 ... 100%RH
- Output : 0 ... 10 V / 4 ... 20 mA / RS-485
- Accuracy : Temperature ± 0.5 °C / Humidity $\pm 5\%$ RH
- IP rating : IP20

 Measuring Specialist



Humidity

THS17

Temperature and Humidity Transmitter (Digital / Analog)

- Features: Probe type. Easy to install. Cost effective.
- Sensor type : MEMS
- Measuring range: Temperature 0 ... +50 °C / Humidity 0 ... 100%RH
- Output: 4 ... 20 mA / DC 0 ... 10 V / RS-485
- Accuracy: Temperature ± 0.5 °C / Humidity $\pm 5\%$ RH
- IP rating: IP20 (Sensor) / IP65 (Metal body) / IP54 (PVC body)

THS07

Humidity

Temperature & Humidity Transmitter for Probe Type



- Features: Probe type. Easy to install. Cost effective.
- Sensor type : Thermal mass flow sensor & Pt 100
- Measuring range: Temperature 0 ... +50 °C / Humidity 5 ... 95%RH
- Output: 4 ... 20 mA / DC 0 ... 10 V
- Accuracy: Temperature ± 0.5 °C / Humidity $\pm 3\%$ RH
- IP rating: IP20 (Sensor) / IP54 (Body)



Measuring Specialist



Temp.

TP01

Temperature Transmitter(2-Wire RTD Head-Mounting Type)

- Features: Cost effective. ZERO / SPAN adjustment.
- Sensor type: RTD Pt100(3-wire)
- Measuring range: -50 ... 400 °C
- Output: DC 4 ... 20 mA(2-wire)
- Accuracy: $\pm 0.1\%$ F.S.
- IP rating: IP30(Housing) / IP10(Terminal)

TP02

Temperature Transmitter for DIN-rail Type

Temp.



- Features: Compact size. Easy to install. Cost effective.
- Sensor type: RTD Pt100(3-wire)
- Measuring range: -50 ... 200 °C
- Output: DC 4 ... 20 mA(2-wire)
- Accuracy: $\pm 0.1\%$ F.S.
- IP rating: IP30(Housing) / IP10(Terminal)



Measuring Specialist





Temp.

TP04

Temperature Transmitter (2-wire for duct type)

- Features: Suitable for industrial application. Integrated design combines PT100Ω and transmitter. Easy installation.
- Sensor type: RTD Pt100
- Measuring range: -50 ... 200°C
- Output: DC 4 ... 20 mA(2-wire)
- Accuracy: $\pm 0.5\%$ F.S.
- IP rating: IP65

$$F(\varphi) = f \times \sin\varphi = -2mv\omega\sin\varphi$$



Your Measuring Specialist Total Solution Provider

Product

Innovative design
High-performance R&D team
Core patent

Laboratory

ILAC / IEC17025
Professional calibration technique
High grade equipment

Production

International certification
Strict quality checks
Automatic production
Customization

Service

Great solution
Quick delivery
After-sales service

YUDEN-TECH CO.,LTD.

🌐 www.eyc-tech.com

☎ +886-2-8221-2471

✉ info@eyc-tech.com