

OEM / ODM

Why you must choose EYC ?

1) Best Quality

- ISO 9001 : 2008
- CE Certification
- Automatic QC Inspection System Of Temperature & Humidity / Dew Point / Flow / Velocity

2) ILAC Mutual Recognition Arrangement Laboratory – TAF(ISO / IEC 17025)

- Temperature & Humidity / Dew Point Calibration Laboratory (accreditation number : 3032)

3) Professional R & D team and Innovative Product

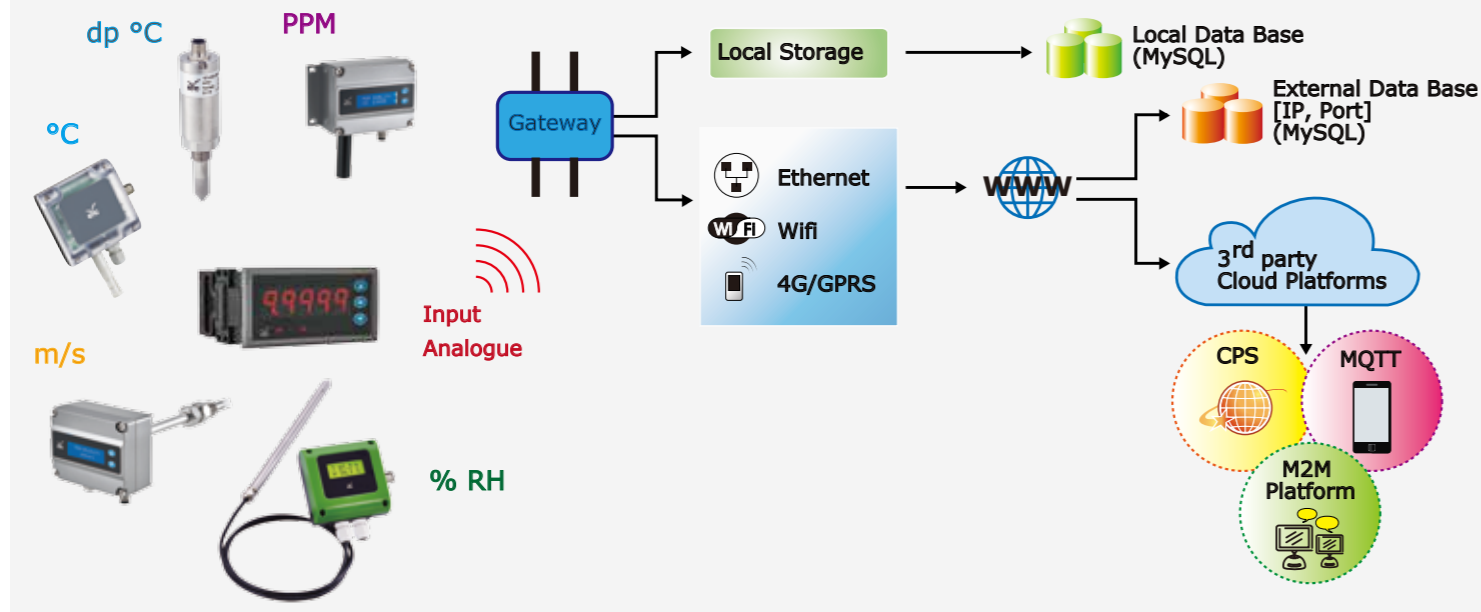
- Convenient product & programmable software.
- Upgrade function
- Creative Product Design

4) Cooperate with international well-known companies

- Customized
- One stop shopping & service production process
- Excellent after-sales service

IoT & Industry 4.0

Wireless Monitoring



+ Contact information

TEL : 886-2-8221-2471
 FAX : 886-2-8221-2492
 info@eyc-tech.net

Air Quality & Environment Protector

Measuring Specialist of Temperature & Humidity / Dew Point / Gas / Flow

- **Various Transmitter** > Standard / OEM / ODM
- **IoT & Industry 4.0 & Cloud** > Wireless monitoring



New Type Transmitter Series, Fit in all Field & Your Demand !



Signal Indicator / Converter

Redefine

Display & Monitor

User-friendly & More Measuring Input Type



Feature

〈 Installation 〉

- indoor
- duct
- remote
- outdoor

〈 Exclusive Configuration Software 〉

- Temperature & Humidity
- Dew Point
- Gas / Air Velocity
- Flow

〈 Rugged & Compact Case 〉

- metal case
- corrosion bearable
- suitable for harsh environment

〈 Service / Overseas Agent Wanted 〉

- OEM / ODM — Customized speciality product
- Short delivery
- Excellent after sales service

〈 Application 〉

- Building Automation / HVAC
- Meteorology / Air Quality
- Automotive Industry
- Pharma & Food Industry
- Industrial Measurement
- Energy and Environmental Technology
- Cleanroom Technology
- Agriculture

〈 Wide Range 〉

- Temperature : -40 ... 200 °C
- Humidity : 0 ... 100 % RH
- Dew Point : -100 ... +60 °C
- Flow : 0 ... 60m/s
- CO₂ : 0 ... 10000 ppm
- CO : 0 ... 500 ppm
- HCHO : 0 ... 5 ppm
- VOC : 0 ... 10 ppm

Application

〈 Feature 〉

- Power supply : 85-253 VAC, 50-60 Hz
- Auxiliary supply : 18~26VDC 50mA
- Programmable, 7-segment , 5-digit, -9.9.9.9~9.9.9.9, 0~4 decimal , height of character is 14.1mm
- Input type : current voltage / current / Potentiometer / Linear Resistance / RTD / TC
- Display only, 2~4 segments alarm, analogue output, RS-485 option
- High stability, fire-proof case, high safety
- Various input, signal isolation, prevent noise, filtering
- User-friendly, interactive operation interface

〈 Feature 〉

- Universal power supply 85-253 VAC
- 4 Isolations (Power Supply, Analog input, Analog Output, RS-485) : provides stable & safe measurement
- 3 digit, 7 segment LED displayer, independent HELP Menu
- 3 front keys & programmable.
- Universal input module allows connecting with different source as Current, Voltage, Temperature (PT100) and Potentiometer.
- External excitation power supply (25-16VDC/ 23mA)
- Form C Contacts Relay for control output
- Analog output for current / voltage
- RS-485 digital output, or digital input from EYC transmitter

〈 Application Field 〉

- Industry / agriculture / cement
- Pottery & glass / food & beverage
- Chemical industry / transportation / technology / environment

〈 Application Field 〉

- Utilize the Analog Output & Relay for Process Control.

Temperature & Humidity Transmitter Series



Application

〈 Feature 〉

- Industrial sensor
- High accuracy and long-term stability.
- Capable of temperature compensation and linear adjustment.
- Multifunction physical quantities — temperature & humidity / dew point / frost point / wet-bulb temp. / vapor pressure / mixture ratio / absolute humidity / specific enthalpy
- Probe : PC or S.S. ; Remote type : PVC or TEFLON
- Free programmable software - physical quantities / output / data logger / charts / calibration

〈 Application Field 〉

- Monitoring for high-end HVAC process / air conditioning / environmental ventilation control
- Building / factory / hospital / clean room / Lab. / storeroom
- Cooling tank / crisper / environmental chambers / weather station
- Indoor pool / greenhouse / livestock nursery
- Pharmaceutical / textile / agriculture / food / manufacturing industry / monitoring for process / drying facility / chemical industry

〈 Specification 〉

- Measuring range : temperature : -40 ... + 200 °C
humidity : 0 ... 100 % RH
dew point : -40 ... +60 °C
frost point : -40 ... 0 °C
wet-bulb temp. : 0 ... 100 °C
vapor pressure : 0 ... 1100 mbar
mixture ratio : 0 ... 999 g/kg
absolute humidity : 0 ... 700 g/m³
specific enthalpy : 0 ... 2800 kJ/kg
- Input type : capacitive humidity sensor & PT 100Ω A class
- Output : standard RS-485 & 2 analogue output
0-20 mA / 4~20 mA / 0~1 V / 0-5 V / 0-10 V
- Signal connection : 3-wire
- Standard ModBus : RS-485 & 2 analogue output
- Linear accuracy (at 25 °C) :
Temperature : ± 0.15 °C ± 0.002 °C x tactual
Humidity (0~90 %) / (90~100 %) : ± 1.5 % RH / ± 2 % RH
- Output calibration (ZERO & SPAN) adjustment range : software
- Power supply : 8~35 VDC / 12~30 VAC

Dew Point Transmitter Series



Application

〈 Feature 〉

- High accuracy and long-term stability.
- Capable of temperature compensation and linear adjustment.
- Industry sensor with non- cond.
- Bearable pressure : 16 bar
- Standard ModBus RTU protocol, RS-485 communication interface
- Various adapter for different environment to be easily installed.
- High pressure, low humidity.
- Free programmable software which can adjust scaling range and provide more physical quantities, dew point, frostpoint, absolute humidity and so on to choose.
- Free programmable software - physical quantities / output / data logger / charts

〈 Application Field 〉

- Compressed air system / freezer / adsorption machine
- Plastic Dryer / industrial drying process
- Paper / Chemical Process Monitoring

〈 Specification 〉

- Max. scaling range : -100 ~ + 60 dp °C
- Output : standard RS-485 & 1 analogue output
0~20 mA / 4~20 mA / 0~1 VDC / 0~5 VDC / 0~10 VDC
- Signal connection : 3-wire
- ModBus : standard RS-485 & 1 analogue output
- Linear accuracy (working range of dew point : -60~+60 dp °C)
± 2 dp °C (at + 25 °C) ± (0.02 % F.S / °C)
- Output calibration (ZERO & SPAN) adjustment range : software
- Power supply : 8~35 VDC / 12 ~ 30 VAC

Air Quality Transmitter

6-in-1!

Monitoring 6 Physical Quantities!

CO₂ / CO / Temperature / Humidity / HCHO / VOC



Application

〈 Feature 〉

- NDIR (non-dispersive infrared technology) CO₂ Sensor
- Integrated COMS temperature & humidity Sensor
- Electrochemistry CO & HCHO sensor
- High technical sensor of humidity comes with high accuracy, long-term life and stability
- With exposed sensor to raise sensitivity of CO.
- Remote monitor by RS-485
- Free programmable software - scaling range / output / data logger / charts

〈 Application Field 〉

- Monitor and control air quality system for various building.
- Monitor for HVAC process / air conditioning / environmental ventilation control.

〈 Specification 〉

- Measuring range : CO₂ : 0...10000 ppm
CO : 0...500 ppm
Temperature : 0...50 °C
Humidity : 0...100%
HCHO : 0..5 ppm
VOC : 0...10ppm
- Analogue output : 0-1 V / 0-5 V / 0-10 V / 1-5 V / 0-20 mA / 4-20 mA
- ModBus : RS-485 (programmable)
- Linear accuracy : (at +23, V=24VDC)
CO₂ : ± 50 ppm ± 3%
CO : ± 3% of f.s. (best zero)
Temperature : ±0.3 °C
Humidity : ± 3% of f.s.
HCHO : ± 5% of f.s.
VOC : ± 5% of f.s.
- Power supply : 8..35VDC / 12...30VAC

Air Velocity Transmitter Series



Application

〈 Feature 〉

- Capable of temperature compensation and linear adjustment
- Double line character : air velocity & temperature
- Switch for physical unit : [m/s] · [ft/s] · [km/h] · [mph] · [knot]
- RS-485 Communication Interface, MosBus RTU protocol
- Configuration measuring range / analogue output / station number by dip switch & RS-485
- Off set function by bottom / UI software
- Free programmable software - scaling range / output / data logger / charts

〈 Application Field 〉

- Monitor gas and flow for industrial process
- Compressed air consumption measurement
- HVAC, building, factory, Clean room, hospital
- Semiconductor, electronics, paper, iron and steel, food, Pharmaceutical, biotechnology industry

〈 Specification 〉

- Input type of air velocity : 1 m/s ; 2 m/s ; 5 m/s ; 10 m/s ; 20 m/s ; 40 m/s ; 60 m/s
- Output : 0~20 mA / 4~20 mA / 0~1 VDC / 0~5 VDC / 0~10 VDC
- Signal connection : 3-wire
- Accuracy : air velocity : ± 3 % F.S.
temp. : ± 0.3 °C
- Power supply : 8~35 VDC / 12~30 VAC