

Measuring Specialist

Air Quality / Signal Meter 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



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GS43-Indoor



GS44-Duct



**Air
Quality**

GS43/44

CO₂ Transmitter(Indoor / Duct Type)

- Features: Suitable for HVAC. Various installation types.
- Sensor type: NDIR sensor
- Measuring range: 2000 / 5000 / 10000 PPM
- Output: 4 ... 20 mA / 0 ... 10 V
- Accuracy: ± 40 or ± 250 PPM $\pm 3\%$ of reading
- IP rating: IP54(GS43) / IP64(GS44)

GM33

CO Transmitter(Wall Type)

**Air
Quality**



- Features: Suitable for environment monitoring in light industry.
- Sensor type: Electrochemistry CO Sensor
- Measuring range: 100 PPM / 300 PPM / 500 PPM
- Output: 0 ... 10 V / 4 ... 20 mA / RS-485 / RS-485 & analog
- Accuracy: $\pm 3\%$ F.S.
- IP rating: IP65(Body) / IP20(Sensor)



Air Quality

GS23

CO₂ Transmitter / Indoor type

- Features: Suitable for HVAC application. Simple appearance.
- Sensor type: NDIR sensor
- Measuring range: 0 ... 2000 PPM
- Output: 0 ... 10 V / 4 ... 20 mA
- Accuracy: ± 40 PPM $\pm 3\%$ of reading
- IP rating: IP20

TGP03

Multifunction CO₂/PM2.5 Indoor Air Quality Monitor

**Air
Quality**



- Features: Suitable for HVAC application. Simple appearance. Multi-measurement.
- Sensor type: Temperature & Humidity MEMS / CO₂ NDIR / PM2.5 Infrared LED
- Measuring range: 0 ... 50 °C / 0 ... 100 %RH (Non-condensing) / 0 ... 2000 PPM / PM2.5 0 ... 500 µg/m³
- Output: RS-485
- Accuracy: ±0.5 °C / ±5% RH / ±40 PPM ±3% of reading / ± 10 µg/m³ ± 5% of reading
- IP rating: IP20



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Air Quality

THG03

CO₂ Temp. & Humidity Transmitter(Indoor)

- Features: Suitable for HVAC application. Simple appearance. Multi-measurement.
- Sensor type: CO₂ NDIR sensor / Temp. & humidity MEMS sensor
- Measuring range: 0 ... 2000 PPM / 0 ... 50 °C / 0 ... 100%RH(Non-condensing)
- Output: 0 ... 10 V / 4 ... 20 mA
- Accuracy: ± 40 PPM $\pm 3\%$ of reading / ± 0.5 °C / $\pm 5\%$ RH
- IP rating: IP20

DPM04

Flow Totalizer

Signal
Meter



- Features : 2" LCD display for air/liquid flow transmitters with RS-485 and relay output, for both instantaneous and cumulative flow monitoring
- Display readout : Instantaneous flow : 5-digit / Cumulative flow : 8-digit
- Input : Current / Voltage / Frequency / Pulse
- Output : Current / Voltage / Relay / RS-485
- Accuracy : $\pm 0.1\%$ F.S. ± 1 digit
- IP rating : IP65 (Front panel)



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Signal Meter

DPM03

Multifunction Signal Display Monitor

- Features : 2" LCD, simple-to-use, easily configurable, with relay alert, RS-485 communication, linear interpolation, retransmission functions
- Display readout : 5-digit
- Input : Current / Voltage
- Output : Current / Voltage / Relay / RS-485
- Accuracy : $\pm 0.1\%$ F.S. ± 1 digit
- IP rating : IP65 (Front panel)

DPM11

Signal Display Monitor

Signal
Meter



- Features : 4-digit LED with Relay output, RS-485 communication functions
- Display readout : 4 digits (-1999 ... +9999)
- Input : Current / Voltage
- Output : Relay / RS-485
- Accuracy : 0.1%F.S. ± 1 digital
- IP rating : IP65(Front panel)



Signal Meter

DPM02

Multifunction Signal Display Monitor

- Features : 5-digit LED with Relay output, RS-485 communication, and retransmission functions
- Display readout : 5 digits(-9.9.9.9 ... +9.9.9.9.9)
- Input : Current / Voltage
- Output: Analog / Relay / RS-485
- Accuracy: 0.1%F.S. ± 1 digital
- IP rating: IP65(Front panel)

DPT02

Signal Converter

Signal
Meter



- Features : 3-digit LED with Relay output, RS-485 communication, and retransmission functions, DIN - rail mounting
- Display readout : 3 Digits(-199 ... +999)
- Input : Current / Voltage
- Output: Analog / Relay / RS-485
- Accuracy: 0.2% F.S. ± 1 digital
- IP rating: IP20

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Signal Meter

SD05

Integrated Signal Indicator

- Features : 4-digit LED display, suitable for integration with two-wire or three-wire transmitters
- Display readout : 4 Digits(-1999 ... +9999)
- Input: 4 ... 20 mA(2-wire) / 0 ... 10 V(3-wire)
- Accuracy: 0.2% F.S.
- IP rating: IP65

SD03

Industrial Integrated Indicator Transmitter Series

Signal
Meter



SD03 bundle product



SD03-T



SD03-P



SD03-L

- Features : Suitable for industrial environments, 4-digit LED display, multiple input types
- Display readout:-1999 ... +9999
- Input:DC 4 ... 20 mA Temperature / Pressure / Level
- Output:4 ... 20 mA
- Accuracy:0.2% F.S.
- IP rating:IP67

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Signal Meter

SP03

Isolated converter / splitter

- Features : Easy to use, anti-interference, one-to-two transmission, zero adjustment to output signal, reduce interference of signal
- Input : 4 ... 20 mA / 0 ... 10 V
- Output(Isol.GND) : 4 ... 20 mA / 0 ... 10 V
- Accuracy : $\pm 0.1\%$ F.S.
- IP rating : IP54

SW02

Signal Monitor

Signal Meter



- Features : Used for alarm started by transmitter, small size and DIN - rail mounting
- Input: 4 ... 20 mA / 0 ... 10 V
- Output: Relay SPDT
- Relay capacity: Max current: 2 A
- Max voltage: AC 240 V / DC 120 V
- Max power: 125 VA / 60 W
- IP rating: IP30

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Signal Meter

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

Signal
Meter



- 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

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



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

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