eYcMeasuring Specialist

Air quality / Signal meter series

eYc Brand Concept

Sustainable

With the light, air and water, the earth is being nourished and operate in a sustainable and prosperous way, E icon brings about the same image! The " water drop " inside the eYc logo represents the innovative thinking like a gush of living water, which is also our pursuit!.

Green

To be a Green corporate is our vision for the society. Green stands for energy-saving, environmental-protection, passing-on and power of life! We start from Taiwan and then move forward to the world over, with this vision, to develop innovative products and service so that we create our core competency along with the utmost value for our customers and the society.

Professional

Our core concept is to develop a variety of products of high precision, quality, and stability. Applications coverage include HVAC, pharmaceutical industry, green house, environmental engineering, food, hospital, agriculture, heavy industry and the like, high-precision measurement for temperature, humidity, air Velocity, air Volume, pressure, flow in production procedure, monitoring on air quality transmission and performance of control panel.

YUDEN-TECH CO.,LTD. Calibration Laboratory

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

YUDEN-TECH CO.,LTD.(eYc brand) is from TAIWAN TAIPEI. In 2013, YUDEN-TECH .,LTD. and the Measurement Center of Industrial Technology Research Institute jointly established a calibration laboratory，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.

The National Accreditation Foundations (TAF) a certification body, accredited by the International Laboratory Accreditation Alliance (ILAC), has signed an inspection mutual recognition agreement with ILAC. 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.

Contents

eyc Measuring Specialist

GS43-Indoor

GS44-Duct

Air Quality

GS43/44

CO_2 Transmitter(Indoor / Duct Type)

- Sensor type：NDIR sensor

- Measuring range：2000 / 5000 / 10000 PPM

- Output：4 ... 20 mA / 0 ... 10 V

- Accuracy：400 ... 2000 PPM：±40 PPM ±3% of reading /
  2000 ... 10000 PPM：±250 PPM ±3% of reading

- Accurate and excellent long-term life cycle

- Free software configuration, voltage or current output and optional RS-485, and display

GM33

CO Transmitter(Wall Type)

Air Quality

- Sensor type：Electrochemistry CO Sensor

- Operating range：0 ... 500 PPM

- Output：0 ... 10 V / 4 ... 20 mA / RS-485 / RS-485 & analog

- Accuracy：CO ±3% of F.S.

- Electrochemical sensor with good long term stability and high accuracy

- It has lower sensitivity to interferant gases

- High repeatability

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Air Quality

GS23

CO_2 Transmitter(Indoor)

- Sensor type：NDIR sensor

- Measuring range：0 ... 2000 PPM

- Output：0 ... 10 V / 4 ... 20 mA

- Accuracy：CO_2 ±40 PPM±3% of reading

- Easy installation and maintenance

- Cost-effective and reliable

- Data can be logged and transferred to PC via RS-485 function link free software

TGP03

Multifunction CO_2/PM2.5 Indoor Air Quality Monitor

Air Quality

- Sensor type：Temperature & Humidity：MEMS / CO_2：NDIR sensor / PM2.5：Infrared LED

- Measuring range：Temperature：0 ... 50°C / Humidity：0 ... 100%RH(Non-condensing) / CO_2：0 ... 2000 PPM / PM2.5：0 ... 500 μg/m^3

- Output：RS-485

- Accuracy：Temperature：±0.5°C / Humidity：±5%RH (at 30 ... 80%RH) / CO_2：±40 PPM±3% of reading / PM2.5：±10 μg/m3±5% of reading

- Anti-condensation and nicer long-term stability

- Compact size and elegant outlook and easy to install on the wall

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Air Quality

THG03

CO_2 Temperature & Humidity Transmitter(Indoor)

- Sensor type：CO_2：NDIR / Temperature & Humidity：MEMS
- Measuring range：CO_2 0 ... 2000 PPM / Temperature 0 ... 50°C / Humidity 0 ... 100%RH(Non-condensing)
- Output：0 ... 10 V / 4 ... 20 mA
- Accuracy：CO_2：±40 PPM±3% of reading / Temperature：±0.5°C / Humidity：±5%RH(30 ... 80%RH)
- Integrated 3 sensors in 1 device with LCD display, measuring temperature, humidity and carbon dioxide
- Quick easy installation and maintenance
- Cost-effective and reliable

SP03

Isolated converter / splitter

- Input：4 ... 20 mA / 0 ... 10 V

- Ouput(Isol.GND)：4 ... 20 mA / 0 ... 10 V

- Accuracy：±0.1% F.S.

- Zero adjustment to output signal

- Reduce the electrical noise of the signal

- Aluminum rail design, quick installation

- Compact size, save installation space

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Signal meter

DPM02

Multifunction Signal Display Monitor

- Input：Current / Voltage
- Display readout：5 digits(-9.9.9.9.9 … +9.9.9.9.9)
- Output：Analog output / Relay / RS-485
- Accuracy：0.1%F.S.±1 digital
- Signal isolation, preventing noise, filtering function : Provide safe and stable measuring
- Programmable, high safety & stability, fire-proof case, moisture-proof cover
- Plug-in installation design for easy maintenance

DPT02

Signal Converter

- Input：Current / Voltage
- Display readout：3 digits(-199 ... +999)
- Output：Analog output / Relay / RS-485
- Accuracy：0.2%F.S.±1 digital
- Local display, easy keypad programming the signal output and scale,LED for working status
- DIN rail installation, high safety & stability, fire-proof case, moisture-proof cover

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Signal meter

SD05

Integrated Signal Indicator

- Input：4 … 20 mA(2-wire) / 0 … 10 V(3-wire)
- Display range：-1999 … +9999
- Display method：4-Digit LED(Height of word : 9.2 mm)
- Accuracy：0.2%F.S.
- 330° turnable, the direction of panel is changeable, good monitoring angle without blind corner
- Programmable by pressing 2 buttons, easy to operate, high performance, good stability and functionality

SD03

Industrial Integrated Indicator Transmitter Series

Signal meter

<u>SD03 bundle product</u>

SD03-T

SD03-P

SD03-L

- Input：DC 4 ... 20 mA Temperature / Pressure / Level

- Display readout：-1999 ... +9999

- Output：4 ... 20 mA

- Accuracy：0.2% F.S.

- Multiple input types：Temperature, pressure, level

- 2-wire loop design, anti-interference design

- Suitable for industrial environments, industrial metal meter, can be connected to a 2-wire transmitter

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Signal meter

SW02

Signal Monitor

- Input：4 ... 20 mA / 0 ... 10 V
- Output：Relay
- Operating temperature&humidity：-10 ... 60℃ / 0 ... 90%RH(Non-condensing)
- Small size and DIN - rail mounting
- Power indicator and action indicator
- Input signal range indictor

TP01

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

- Output：RTD Pt100 Ω(3-wire)

- Measuring range：-50 ... +400°C

- Output：DC 4 ... 20 mA(2-wire)

- Accuracy：±0.1% F.S.

- High quality, good anti-interference, high cost performance

- ZERO / SPAN adjustable

- Polarity protection ; Over-voltage ; Short-circuit

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Signal meter

TP02

Temperature Transmitter for DIN-Rail Type

- Output：RTD Pt100(3-wire)

- Measuring range：-50 … +200°C

- Output：DC 4 … 20 mA(2-wire)

- Accuracy：±0.1% F.S.

- Special IC for RTD；High accuracy is assured

- TP02 with smaller volume so lesser space for installation is required

- High quality and low price

- DIN-rail type；Quick to instal

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TP04

Temperature Transmitter (2-wire for duct type)

- Output：RTD Pt100 Ω

- Measuring range：-50 … +200°C

- Output：DC 4 … 20 mA(2-wire)

- Accuracy：±0.5% F.S.

- SS Housing, all-in design with anti-condensation function and good heat dissipation

- Monitoring for long-distance temperature signal transmission

- With SD05 Integrated Signal Indicator for local display(Optional)

- Good measuring repeatability and anti-interference

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

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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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