

Measuring Specialist

Air Flow / Air Velocity / Liquid Flow 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



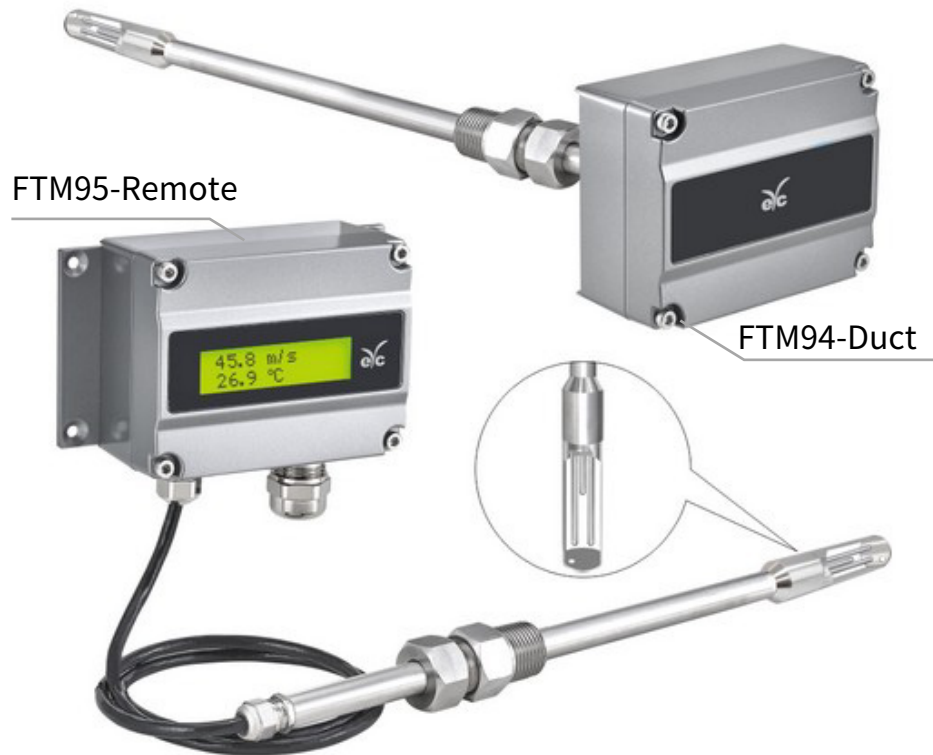
Pressure



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**Air Flow
Air Velocity**

FTM94/95

Industrial Grade High Accuracy Thermal Mass Flow Transmitter

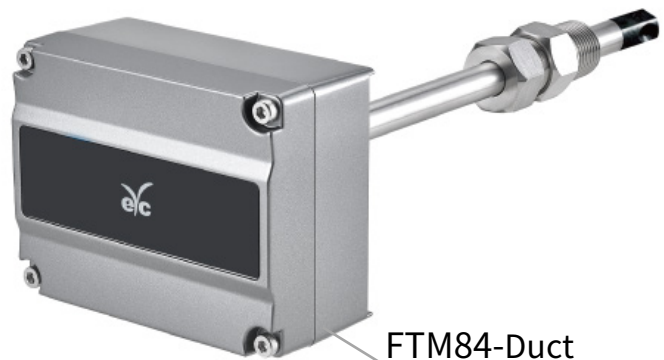
- Features : Designed for industrial application. Air flow measurement up to 120 m/s. Resistant to high temperature, high pressure, dust, and corrosion.
- Sensor type : Pt20 / Pt300(Air velocity) / Pt1000(Temp.)
- Measuring range : 0 ... 120 Nm/s
- Output : 4 ... 20 mA / 0 ... 10 V / RS-485 / Impulse
- Accuracy : $\pm 1.5\%$ F.S.
- IP rating : IP67(Probe) / IP65(Housing)

FTM84/85

**Air Flow
Air Velocity**

Industrial Grade High Accuracy Thermal Air Velocity Transmitter

FTM85-Remote



FTM84-Duct

- Features : Suitable for clean air. Resistant to high pressure and high temperature.
- Sensor type : Thermal mass flow sensor
- Measuring range : 0 ... 90 m/s
- Output : 0 ... 20 mA / 4 ... 20 mA / 0 ... 1 V / 0 ... 5 V / 0 ... 10 V / RS-485
- Accuracy : $\pm 1.5\%$ F.S.
- IP rating : IP67



**Air Flow
Air Velocity**

FDM06S

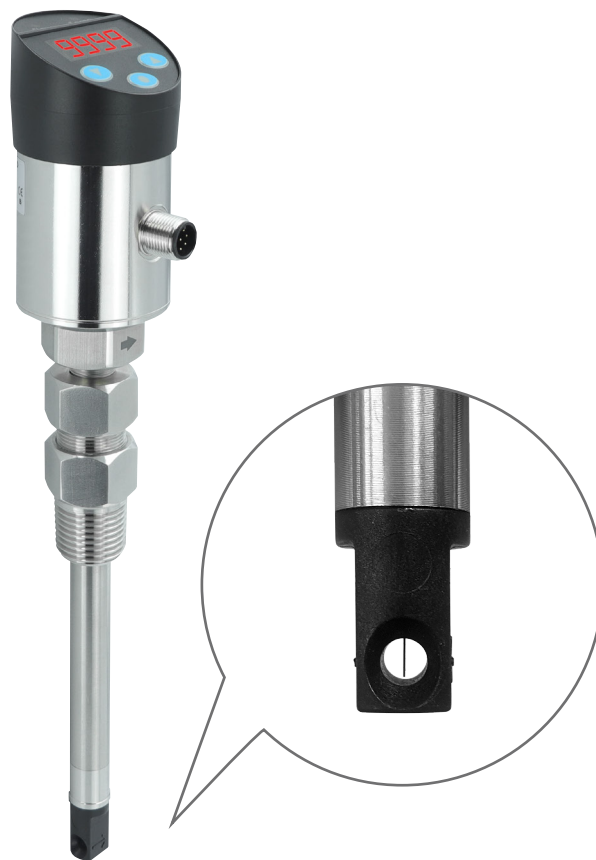
Differential Pressure Type Air Flow Transmitter

- Features : Adopting the differential pressure principle for air flow measurement, enable bi-direction air flow measurement, Calculate medium density and mass flow rate
- Sensor type : Differential pressure sensor
- Measuring range : Standard version : $\pm(0.8 \dots 40 \text{ m/s})$ / High-pressure version : $\pm(10 \dots 200 \text{ m/s})$
- Output : $4 \dots 20 \text{ mA} + \text{RS-485}$ / $0 \dots 10 \text{ V} + \text{RS-485}$ /
Frequency ($0 \dots 100 \text{ Hz}$) + RS-485 / Pulse (Option) + RS-485
- Accuracy : $\pm 1.5\% \text{ F.S.}$ (Option $\pm 1\% \text{ F.S.}$)
- IP rating : IP65 (Body) / IP20 (Probe head)

FTM06D

Thermal Mass Flow Transmitter

**Air Flow
Air Velocity**



- Features : Suitable for compressed dry air system.
- Sensor type : Thermal mass flow sensor
- Measuring range : 0 ... 120 m/s
- Output : 4 ... 20 mA / 0 ... 10 V / RS-485 / Frequency / Pulse
- Accuracy : $\pm 1.5\%$ F.S.
- IP rating : IP65



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**Air Flow
Air Velocity**

FTE120

OEM Air Flow Transmitter

- Features : Suitable for small-sized device or equipment. Compact size. Various installation method.
- Sensor type : Thermal mass flow sensor
- Measuring range : 0 ... 30 m/s
- Output : 4 ... 20 mA / 0 ... 10 V / RS-485
- Accuracy : $\pm 2\%$ F.S.
- IP rating : IP65

FTM06D-I

Inline Type Air Flow Transmitter

**Air Flow
Air Velocity**



- Sensor type : Thermal mass flow sensor
- Measuring range : 0.1 ... 848 m³/h
- Output : 4 ... 20 mA / 0 ... 10 V / RS-485 / Frequency / Pulse
- Accuracy : $\pm 1.5\%$ F.S.
- IP rating : IP65 (IP67 option)



**Air Flow
Air Velocity**

FTE120-I

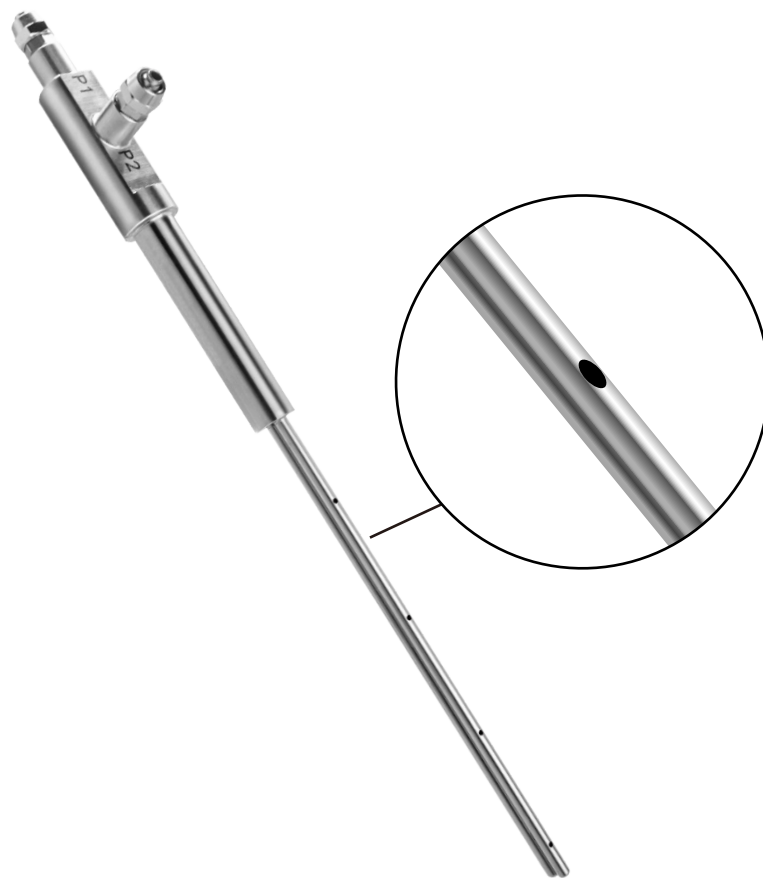
Inline Type Air Flow Transmitter

- Features : Inline type air flow sensor designed for pneumatic system and compressed air system. Multiple diameter. Sonic nozzles calibration.
- Sensor type : Thermal mass flow sensor
- Measuring range : 0 ... 1500 l/min
- Output : 4 ... 20 mA / 0 ... 10 V / RS-485 / Frequency / Pulse
- Accuracy : $\pm 2\%$ F.S.
- IP rating : IP 65 (Housing) / IP20 (Probe)

AFMT

Average Flow Measuring Tube (Pitot tube)

**Air Flow
Air Velocity**



- Features: Multi-point averaging. Suitable for large pipe. Resistant to high temperature, and corrosion.
- Operating pressure: Max.10 bar
- Operating temperature: Max.250°C
- Length: 4" ... 40" (100 ... 1000 mm)



Air Flow

PHM330

Differential Pressure Transmitter

- Features : Suitable for industrial application. High pressure resistance.
- Sensor type : Thermal mass flow sensor
- Measuring range : $\pm 50 \dots \pm 1500$ pa
- Output : 4 ... 20 mA / 0 ... 10 V
- Accuracy : $\pm 1.5\%$ F.S. $\pm 3\%$ M.V.
- IP rating: IP65

PHD330

Industrial Differential Pressure Transmitter

Air Flow



- Features: Suitable for industrial application. Wide measuring range.
- Sensor type: Piezoelectric differential pressure module
- Measuring range: $\pm 50 \dots \pm 10000$ pa
- Output: 4 ... 20 mA / 0 ... 10 V
- Accuracy: $\pm 2.0\%$ F.S.
- IP rating: IP65



Air Flow

PMD330

Differential Pressure Transmitter (Indoor)

- Features : Suitable for HVAC and light industry.
- Sensor type : Piezoelectric differential pressure module
- Measuring range: $\pm 50 \dots \pm 10000$ pa
- Output : 4 ... 20 mA / 0 ... 10 V / RS-485
- Accuracy : $\pm 2.0\%$ F.S.
- IP rating : IP65

FTS140

Hot Wire Air Velocity Transmitter

Air Flow



- Features: Economic model for HVAC application.
- Sensor type: Hot wire mass flow transmitter
- Measuring range: 0 ... 20 m/s
- Output: 4 ... 20 mA / DC 0 ... 10 V
- Accuracy: $\pm 3\%$ F.S.
- IP rating: IP54



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Air Flow

FTS34/35

Air Velocity Transmitter

- Features : Suitable for light industry. High accuracy and high stability.
- Sensor type : Thermal mass flow sensor
- Measuring range : 0 ... 40 m/s
- Output : 4 ... 20 mA / DC 0 ... 10 V
- Accuracy : $\pm 2\%$ F.S.
- IP rating : IP54

FTS07

Air Flow

Hot Wire Air Velocity Transmitter for Probe Type



- Features: Probe type. Easy to install. Cost effective.
- Sensor type: Hot wire mass flow transmitter
- Measuring range: 0 ... 20 m/s
- Output: DC 0 ... 10 V
- Accuracy: $\pm 5\%$ F.S.
- IP rating: IP20



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Liquid Flow

FTC05

Hot Wire Thermal Flow Switch

- Features: Suitable for oil, water and liquid flow monitoring. Also work as level detector.
- Sensor type: Resistance Temperature Detector (RTD)
- Measuring range: 1 ... 200 cm/s(Water) / 3 ... 300 cm/s(Oil) / 6 ... 20 m/s(Gas)
- Output: PNP / NPN / Relay
- IP rating: IP65(Option IP67)

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



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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