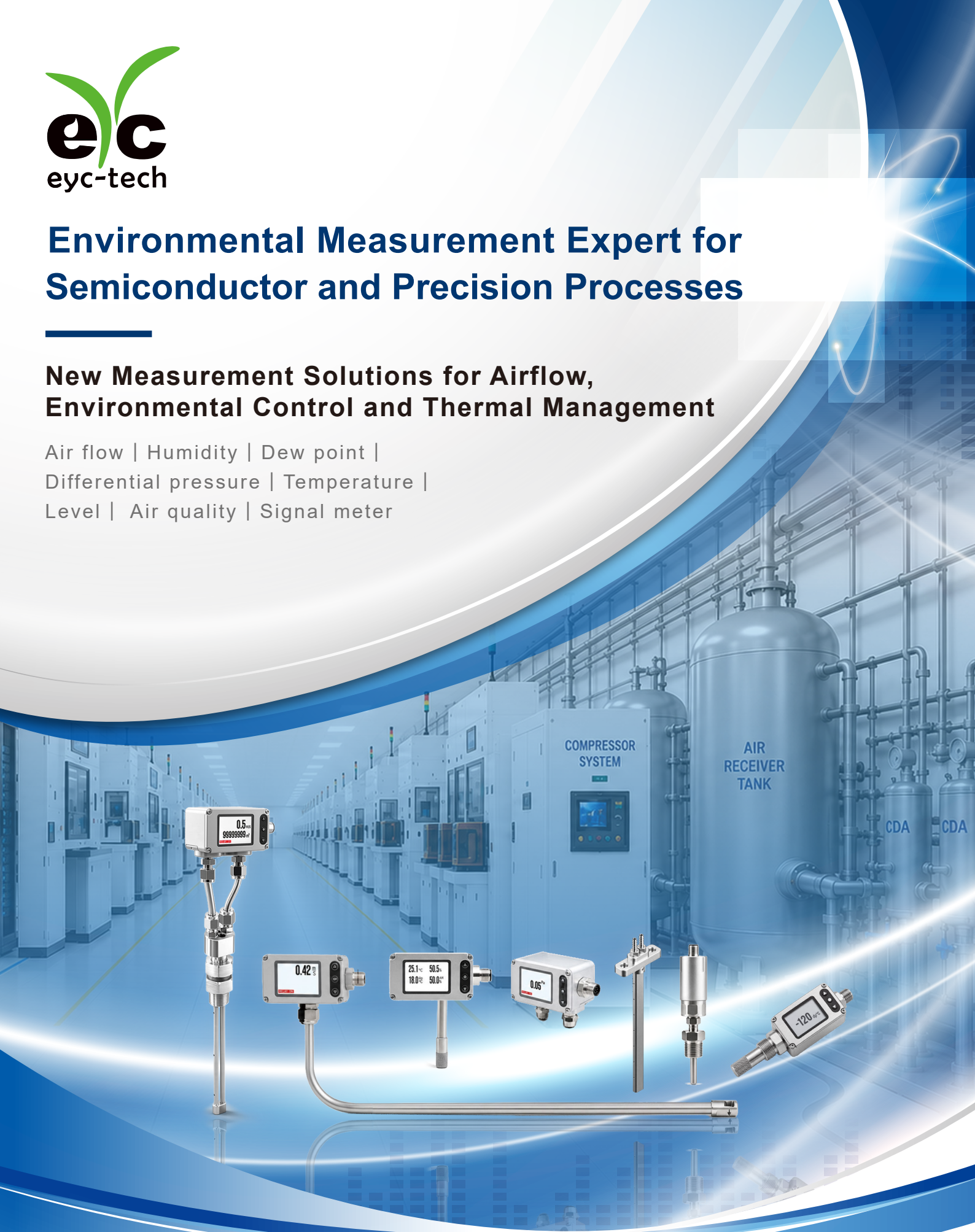
eyc-tech

Environmental Measurement Expert for Semiconductor and Precision Processes

New Measurement Solutions for Airflow, Environmental Control and Thermal Management

Air flow | Humidity | Dew point |
Differential pressure | Temperature |
Level | Air quality | Signal meter



| New Transmitter Solutions |

Integrated R&D, Manufacturing & Calibration Capabilities

eyc-tech

Integrated Capabilities from R&D and Production to Automated Inspection & Calibration and TAF-Accredited Laboratories

ISO 9001 :2015

CE CERTIFIED

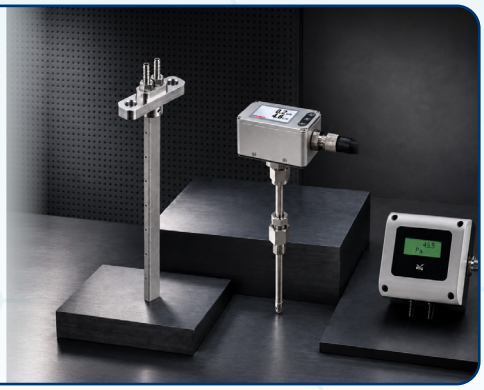
High Accuracy | **High Stability** | **High Reliability**

PRECISION IN LOW-RANGE MEASUREMENT

1 m/s
Low-Air-Velocity Measurement System

1 Pa
Ultra-Low Differential Pressure Measurement

System-level measurement capabilities developed through in-house R&D, application validation and automated verification.



01 Professional R&D Team

- In-house R&D
- Core Technology Development
- Product Design
- Application Validation
- Performance Verification
- Customized Development



Developing core technologies in-house to deliver product design, application validation and customized solutions.

02 Laboratory-Grade Calibration Production Line

- Calibration-Integrated Process
- Laboratory-Grade Standards
- Equipment Integration
- Standardized Operations
- Process Quality Control
- Consistent Output



Integrating laboratory calibration standards into production to ensure product consistency and reliable delivery.

03 Automated Inspection & Calibration Systems

- Automated Measurement
- Multi-Point Data Acquisition
- Data Comparison
- Real-Time Data Analysis
- Result Evaluation
- Reporting & Traceability



Automating measurement, data analysis and result evaluation to ensure efficient, consistent and traceable inspection and calibration.

Automated Inspection & Calibration Process



Device Under Test → Automated Measurement → Data Acquisition → Data Analysis → Result Evaluation → Report Generation

Real-Time Data Recording · Standardized Process · Full Traceability

04 Calibration Expertise Across Six Fields

YUDEN-TECH CO., LTD. Calibration Laboratory |
TAF Accreditation No. 3032 | ISO/IEC 17025

Accredited by TAF to ISO/IEC 17025, providing accurate and reliable calibration services.

01 Temperature Calibration



Scope of Accreditation
-40°C ... +300°C
Smallest Uncertainty
0.029°C ... 0.085°C

02 Humidity Calibration



Scope of Accreditation
0°C ... 69.5°C/10%RH ... 95%RH
Smallest Uncertainty
0.24°C ... 0.77°C/0.55%RH ... 2.20%RH

03 Dew Point Calibration



Scope of Accreditation
≧-80°C ... ≦60°C
Smallest Uncertainty
0.14°C ... 1.7°C

04 Air Velocity Calibration



Scope of Accreditation
0.2 m/s ... 60 m/s
Smallest Uncertainty
0.1 m/s ... 0.85 m/s

05 Flow Calibration



Scope of Accreditation
Flow rate : 2.54 ... 30.0 m^3/h | Flow velocity : 0.2 ... 3 m/s
Smallest Uncertainty
Flow rate : 0.9% | Flow velocity : 0.08 m/s

06 Pressure Calibration



Scope of Accreditation
Relative : 10 ... 7000 kPa / Absolute : 20 ... 170 kPa
Smallest Uncertainty
Relative : 1.0 ... 8 kPa / Absolute : 0.11 kPa

05 Quality System & Manufacturing Foundation

QUALITY MANAGEMENT



ISO 9001:2015 Quality Management System

EQUIPMENT MANAGEMENT



Equipment Maintenance, Calibration and Status Control

PROCESS MANAGEMENT



Standardized Processes and Quality Control

ENVIRONMENTAL CONTROL



Laboratory Environment and Measurement Condition Control

DOCUMENTATION CONTROL



Controlled Documents and Complete Records

DATA TRACEABILITY



Digital Traceability from Data Acquisition to Report

Our Core Strengths

- PRECISE CALIBRATION
- DATA TRACEABILITY
- PROFESSIONAL SUPPORT
- STABLE & RELIABLE
- PROCESS CONSISTENCY
- CONTINUOUS IMPROVEMENT

Precision Process Environment

Reliable environmental data for semiconductor equipment, dry processes, clean environments and precision electronic systems.



THM50X

High-Precision Temperature & Humidity Transmitter

Range : -40 ... +80°C (Wall type),
-40 ... +150°C (Remote type), 0 ... 100%RH

Ultra-low humidity and absolute humidity measurement for advanced precision processes.

- Ultra-low humidity measurement down to 0.1 %RH
- High-precision temperature and humidity sensing
- Analog, RS-485 and switching outputs



PMM06-D

Ultra-Low Differential Pressure Transmitter

Precision differential pressure and airflow control.

Range : ±10, ±25, ±50, ±100 Pa



THS88ECO

Industrial Dew Point Transmitter

Reliable dew point measurement for dry gas and compressed air.

Range : -80 ... +20 dp°C



THS17-MD

Compact Temperature & Humidity Transmitter

Short-probe design for confined equipment and rack spaces.

Range : 0 ... +50°C / 0 ... +100%RH

Low Airflow & Air Distribution

Direct thermal measurement and Pitot-based differential pressure solutions for low airflow, equipment chambers, laminar flow systems and HVAC ducts.

FDM06-L Series

Bi-directional Low Air Flow Thermal Mass Transmitter

Range : ±(0.00 ... 30.00 m/s) (DX / RX), ±(0.00 ... 2 m/s) (L1 / L2)

Turndown ratio : 100 : 1



Direct and bi-directional low airflow measurement for equipment chambers, laminar flow and pressure-controlled applications.

- Thermal mass sensing principle
- Bi-directional airflow measurement
- Low airflow range: ±(0.00 ... 2 m/s)
- Duct type and Remote type available

FDM06-L-DX	Duct type
FDM06-L-RX	Remote type
FDM06-L-L1	Laminar Flow type
FDM06-L-L2	Overflow type

Equipment Airflow | Laminar Flow

AFMC + PMM330

AFMC：HVAC Average Flow Measuring Tube

Length : 100 ... 1000 mm

PMM330：Differential Pressure Transmitter

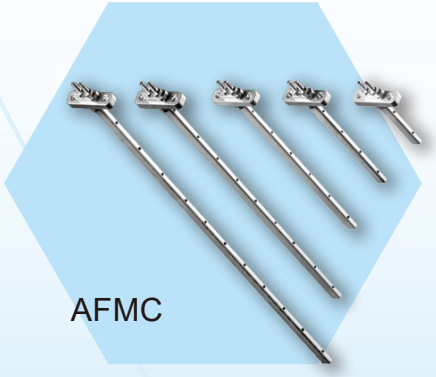
Range : ±50 ... ±1500 Pa



PMM330

Average air velocity measurement for HVAC ducts, down to 1 m/s.

- Multi-hole averaging structure
- Differential pressure measurement principle
- Air velocity measurement down to 1 m/s with PMM330



AFMC

HVAC Duct | Ventilation System | Air Distribution

Industrial Air Flow & Energy Management

Multiple sensing technologies for compressed air, process gas, duct airflow and energy management applications.

FDM06-X

Thermal Mass Differential Pressure Signal Processor

- Pitot Tube
- Average Flow Measuring Tube
- Venturi Tube
- Other Differential Elements



K-Factor Correction for Various Differential Pressure Elements

- Compatible with multiple differential pressure elements
- Flow velocity and flow output
- Analog / Relay / RS-485 integration

Compatible with Multiple Throttling Devices





FDM06-P

Average Flow Thermal Mass Transmitter

Integrated average airflow measurement for industrial ducts.

Range : 0.5 ... 60 m/s
Turndown ratio : 100 : 1

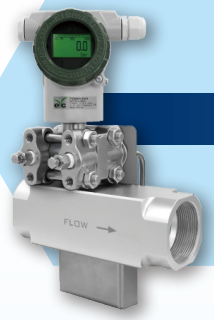


FDM06S

Differential Pressure Type Air Flow Transmitter

Bi-directional airflow and mass flow measurement.

Range : ± (0.8 ... 40 m/s) (Standard version), ± (20 ... 200 m/s) (High-pressure version)



FDM08

Venturi Inline Air Flow Transmitter

Suitable for steam, contaminated gases, or high-humidity gases.

Pipe size : DN 25/40/50/80/100



FTM06D

Thermal Mass Flow Transmitter

Thermal mass flow measurement for dry compressed air systems.

Range : 0 ... 120 m/s

Compressed Air | Process Air | HVAC Ducts | Energy Management

Liquid Cooling & Thermal Management

Flow and temperature measurement solutions for AI servers, cooling distribution units and industrial cooling loops.

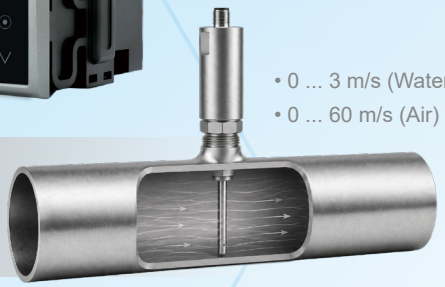
FTC06

Temperature and Flow Transmitter

Range : 0 ... 3 m/s (Water) / 0 ... 60 m/s (Air)
Output : 4 ... 20 mA / RS-485 / NPN

• Recommended eyc-tech DPM04 Flow Totalizer





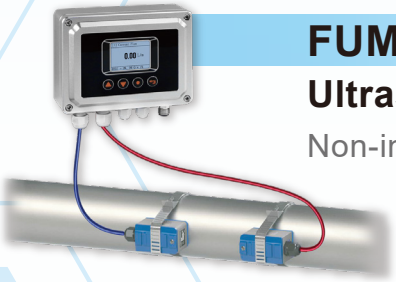
• 0 ... 3 m/s (Water)
• 0 ... 60 m/s (Air)

Thermal mass flow velocity and temperature measurement for water and air applications.

- 316L stainless steel probe for harsh environments
- Fast-response thermal mass measurement with low pressure loss
- RS-485 flow & temperature monitoring; DPM04 instantaneous / totalized flow display
- Supports anomaly detection, preventive maintenance & energy-efficient cooling

FUM06 / FUM03

Non-intrusive Ultrasonic Flow Measurement

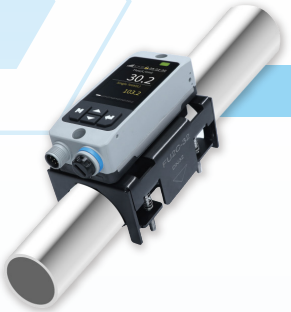


FUM06

Ultrasonic Flowmeter

Non-intrusive flow measurement for medium and large pipes.

- Range : 0.1 ... 10 m/s
- Turndown ratio : 100 : 1



FUM03

Clamp-on Ultrasonic Flow Meter

Compact clamp-on flow measurement for small pipes.

- Range : 19.6 ... 589 L/min

TP05

Temperature Transmitter

• Range : -40 ... +200°C



High-accuracy temperature measurement for various gas and liquid media.

AI Server Cooling | CDU | Cooling Water | Industrial Cooling

About eyc-tech

eyc-tech is the proprietary sensor brand of YUDEN-TECH CO., LTD., providing measurement solutions for airflow, temperature, humidity, dew point, differential pressure, air quality and liquid flow applications.

Environmental Measurement Expert for Semiconductor and Precision Processes

Air flow | Humidity | Dew point | Differential pressure
Temperature | Level | Air quality | Signal meter

- Made in Taiwan
- Sensor Development & Manufacturing
- ISO/IEC 17025 Accredited Calibration Laboratory
- TAF Accreditation No. 3032

Enhance your capability with sensor technology.

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