



Measuring Specialist

Enhance your capability with sensor technology

Air flow | Humidity | Dew point | Differential pressure

Temperature | Level | Air quality | Signal meter

ISO 9001 & ISO/IEC 17025

HVAC
Compressed air system
Exhaust gas system
Industrial process

Find FTI-tech



www.ftisensors.com | 302-300-1919 | sales@ftisensors.com

Who is FTI Technology ,Inc.?

A provider of sensors and measuring instruments Originating from Delaware, USA

With a professional R&D team, an ISO-9001 certified factory, and calibration laboratories compliant with ISO/IEC 17025, FTI-tech continues to bring innovation to measurement technology.

We adhere to the core concept of "accuracy, quality, and stability" and strive to provide our best sensors and services, earning the trust and reliance of our customers.

Calibration laboratory (ISO/IEC 17025)



Air Velocity
Humidity

Flow
Dew Point

Temperature
Pressure



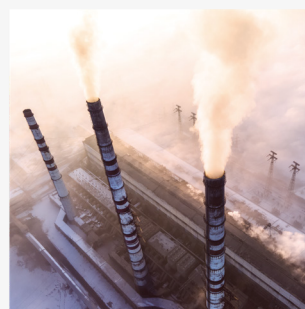
Applications



HVAC



Compressed air system



Exhaust gas system



Industrial process

Why choose us?

Profession :

Professional R&D team, ISO-9001-certified factory, and decades of experience in the field. Our professional teams focus on product performance and each manufacturing process.

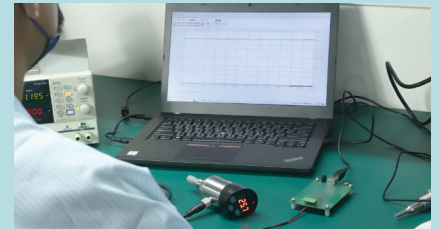
Innovation :

We constantly challenge ourselves to develop innovative products that exceed customers' expectations.

High quality :

Our calibration laboratory traced back to the international standards (ISO/IEC-17025). We follow these standards to evaluate sensor accuracy.

Our manufacturing process



Sensor
installation

Probe
assembling

Key parts
assembling

Calibration

Final
assembling

Product
Inspection

Packing

Air volume standard calibration system



Air volume : 0.5 m³/h ... 1000 m³/h

Referring to ISO 9300 "Flow Measurement of Critical Flow Venturi Nozzles", this device is a standard flow device combination consisting of multiple venturi nozzles according to the maximum and minimum flow ranges that need to be calibrated.

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Temperature and Humidity

TB780Series



Features : High-end industrial model. Resistant to high temperature, high pressure and dust.
 Sensor type : Capacitive Humidity Sensor & Pt100 A class
 Measuring range : 0 ... 50°C, -40 ... +200°C / 0 ... 100%RH
 Output : 4 ... 20 mA / 0 ... 10 V / RS-485
 Accuracy : $\pm 0.15^{\circ}\text{C}$ / $\pm 1.2\% \text{RH}$
 Remark : IP65. Pressure resistance : 10 bar

Featured

- IP65, aluminum alloy casing for harsh environments.
- Process Temp. : up to 200°C. Probe pressure resistance : 10 bar.
- Capable of temperature compensation & linear adjustment by computer via RS-485.
- Work well after temporary condensation. Long term stability in high humidity environment.
- Units switchable : [%RH], [°C], [mbar], [g/kg], [g/m³], [kJ/kg].
- Enable setting of measuring range, analog output, station...etc via RS-485.

TB730Series



Features	Compact model for industrial application
Sensor type	Capacitive Humidity Sensor & Pt100
Measuring range	-40 ... +160°C / 0 ... 100%RH
Output	4 ... 20 mA / 0 ... 10 V / RS-485
Accuracy	$\pm 0.15^{\circ}\text{C}$ / $\pm 2\% \text{RH}$
Remark	IP65. Pressure resistance : 10 bar

Temperature and Humidity

Picture	TB720Series	THM14-EX	TB750-EX
			
Features	Various installation method for light industry	Industrial model. Explosion proof	Industrial model. Explosion proof
Sensor type	Capacitive Humidity Sensor & Pt100 B	Capacitive Humidity Sensor & Pt100	Capacitive Humidity Sensor & Pt100
Measuring range	0 ... +50°C, -40 ... +80°C / 0 ... 100%RH	-20 ... +80°C / 0 ... 100%RH	-20 ... +80°C / 0 ... 100%RH
Output	4 ... 20 mA / 0 ... 10 V / RS-485	4 ... 20 mA	4 ... 20 mA
Accuracy	$\pm 0.3^{\circ}\text{C}$ / $\pm 2.3\% \text{RH}$	$\pm 0.3^{\circ}\text{C}$ / $\pm 2\% \text{RH}$	$\pm 0.3^{\circ}\text{C}$ / $\pm 2\% \text{RH}$
IP rating	IP65	IP66 (EX ia II CT4)	IP66 (EX ia II CT4)

Flow

Picture	FB100	FT100	FB400Series
			
Features	Electromagnetic Flowmeter	Energy measuring instrument	Vortex flowmeter
Sensor type	Electromagnetic	Electromagnetic & Pt 1000	Vortex
Measuring range	DN15 ... DN1500	DN15 ... DN1500	DN15 ... DN800
Output	4 ... 20 mA / RS485	4 ... 20 mA / RS-485	4 ... 20 mA / RS-485
Accuracy	± 0.5	± 1.0	± 1.0
IP rating	IP65	IP65	IP65

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Air flow / Air velocity

FTM94/95



Features : High-end industrial model. 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
 Accuracy : $\pm 1.5\%$ F.S.
 Remark : IP67. Probe : 0 ... 120°C, 16 bar.

Featured

- IP67 Rugged stainless steel case. Adapt to various harsh environments.
- Switch multifunction physical quantities(Air velocity and flow) : [m/s] 、 [ft/s] 、 [Nm³/h] 、 [Nm/s] 、 [L/min] 、 [m³/min]
- LCD Display of air velocity and temperature
- LCD Display of cumulative flow : m³, L (Option)

FTM06D



Features	Industrial model for clean air
Sensor type	Thermal mass flow sensor
Measuring range	0 ... 120 m/s
Output	4 ... 20 mA / 0 ... 10 V / RS-485
Accuracy	$\pm 1.5\%$ F.S.
Remark	IP65. Probe : 0 ... 50°C, 16 bar.

Temperature

	TC130	TC220	TB310	TB313
Picture				
Features	Integrated PT100Ω / PT1000Ω	Thermocouple	Temperature transmitter	Temperature transmitter-Double
Sensor type	PT100 or PT1000	Thermocouple K(S)\B..Type	PT\Thermocouple	PT\Thermocouple
Measuring range	-200°C ... 600°C	-20 ... 1800°C	-200...600°C , -20...1800°C	-200...600°C , -20...1800°C
Output	PT100 or PT1000 , 3-wire\4-wire	2-wire	2-wire,4-20mA DC24V	2-wire,2X4-20mA DC24V
Accuracy	$\pm 0.2^{\circ}\text{C}$, $\pm 0.3^{\circ}\text{C}$	$\pm 0.7^{\circ}\text{C}$.	$\pm 0.2^{\circ}\text{C}$, $\pm 0.3^{\circ}\text{C}$, $\pm 0.7^{\circ}\text{C}$	$\pm 0.2^{\circ}\text{C}$, $\pm 0.3^{\circ}\text{C}$, $\pm 0.7^{\circ}\text{C}$
Remark	IP65	IP65	IP65	IP65

Pressure

	PB120	PB200	PB300Series	PB400Series
Picture				
Features	Economic model	Electronic pressure switch	Suitable for industry	Suitable for light industry
Sensor type	Diffusion silicon	Diffusion silicon	Diffusion silicon	Ceramics
Measuring range	-0.1 ... 20 MPa	-0.1 ... 40 MPa	-0.1 ... 100 MPa	500Pa ... 10MPa
Output	4 ... 20 mA / RS-485	4 ... 20 mA / RS-485	4 ... 20 mA / RS-485	4 ... 20 mA / 0 ... 10 V / RS-485
Accuracy	$\pm 0.5\%$ F.S.	$\pm 0.2\%$ F.S.	$\pm 0.1\%$ F.S.	$\pm 0.1\%$ F.S.
Remark	IP65	IP65	IP67	IP67

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Differential pressure

AFMT		Picture	PB570-P-Series	FPM33	PMD330
			  Featured		
Features	Pitot tube for air velocity Multi-point averaging	Features	Differential Pressure Transmitter	Differential Pressure Transmitter	Suitable for HVAC and light industry
Operating pressure	Max.10 bar	Sensor type	Piezoelectric module	Thermal mass flow sensor	Piezoelectric module
Operating temperature	Max.250°C	Measuring range	±10K pa; 0-60 m/s	±50 ... ±1500 pa; 0...20m/s	±50 ... ±10000 pa
Length	4" ... 40"(100 ... 1000 mm)	Output	4 ... 20 mA / 0 ... 10 V / RS-485	4 ... 20 mA / 0 ... 10 V / RS-485	4 ... 20 mA / 0 ... 10 V / RS-485
		Accuracy	±0.2% F.S,±0.5% F.S.	±1.5% F.S. ±3% M.V.	±2.0% F.S.
		IP rating	IP66	IP65	IP65

Air quality OEM-series

Picture	GS43/44	THG03	GM33	GS23
				
Features	Suitable for HVAC. Various installation types	Multi measurement for HVAC application	Suitable for environment monitoring	Suitable for environment monitoring
Sensor type	NDIR sensor	CO ₂ NDIR sensor / Temp. & humidity MEMS sensor	Electrochemistry CO Sensor	NDIR sensor
Measuring range	2000 / 5000 / 10000 PPM	0 ... 2000 PPM / 0 ... 50°C / 0 ... 100%RH	0 ... 500 PPM	0 ... 2000 PPM
Output	4 ... 20 mA + RS-485	4 ... 20 mA / 0 ... 10 V / RS-485	4 ... 20 mA + RS-485	0 ... 10 V / 4 ... 20 mA / RS-485
Accuracy	±40 ... ±250 PPM ±3% reading	±40 PPM ±3% of reading / ±0.5°C / ±3%RH	±3% F.S.	±40 PPM ±3% of reading
IP rating	IP54(GS43) / IP64(GS44)	IP20	IP65(Body) / IP20(Sensor)	IP20

Level

Picture	LB320	LB350	LB520
			
Features	Hydrostatic Pressure Sensor	Hydrostatic Pressure Sensor	Ultrasonic Level Sensors
Sensor type	Pressure	Pressure	Ultrasonic pulses
Measuring range	0 ... 100 m	-0 ... 100 m	0 ... 12 m
Output	4 ... 20 mA (2-wire)	4 ... 20 mA (2-wire)	4 ... 20 mA (2-wire)
Accuracy	±0.5% F.S.	±0.2% F.S.	±0.2% F.S.
IP rating	IP65	IP65	IP65



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