LEFOO
SENSOR

LEFOO

Low Differential Pressure · Pressure · Differential Pressure
Temperature&Humidity · Temperature · Gas · Air Velocity · Flowmeter

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ABOUT US

LEFOO was founded in 2000. It is a high-tech enterprise integrating R&D, manufacturing and sales. It is entitled "Perfessional, Specialized, and Innovative" Small-giant Enterprise by the Ministry of Industry and Information Technology.
LEFOO mainly engages in the development, design and production of products in various fields such as mechanical structure control, digital sensing, micro pumps, and others. Products are widely used in high-end equipment maufacturing fields, such as environmental control, mechanical equipment, smart equipment, home appliances, medical care, electric power, IoT, and data centers.

LEFOO has multiple system certifications, such as ISO9001, TS16949, ISO45001, ISO14001, and internationally recognized safety certifications, such as 3C, UL, CSA, CE, and TUV. LEFOO has aquired more than 130 patent certifications, including 9 invention patents. LEFOO's market covers more than 80 countries and regions in North America, Europe, Asia, South America, Africa, and has established strategic partners with many excellent international Companies. LEFOO adheres to the concept of "quality is the life of an enterprise, technology is the driving force of the enterprise", commits to providing customers with reliable and exquisite products and services to meet the growing market demand.

● **Mechanical Pressure Control**
R&D Center
Mainly researches and develops mechanical pressure control products, which are widely used in HVAC, building automation, water treatment, automobile braking, household appliances, industrial automation, and other fields.

● **Digital Sensing**
R&D Center
Mainly researches and develops electronic digital sensing and control products, which are widely used in environmental control, intelligent equipment, security linkage, IoT, data centers, and other fields.

● **Fluid Mechanics**
R&D Center
Mainly researches and develops micro-pump products, which are widely used in water purification, furniture comfort environment, automatic water circulation, small scale irrigation, vehicle water circulation, and other fields.

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LOW DIFFERENTIAL
PRESSURE TRANSMITTERS

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PRODUCT PARAMETERS

	Economical Differential Pressure Transmitter	Differential Pressure Transmitter	Differential Pressure Transmitter/Controller
MODEL	**LFM108**	**LFM11**	**LFM33**
Medium	air or neutral gas	air or neutral gas	air or neutral gas
Measuring Range	±100Pa, ±1000Pa, ±10000Pa	±100Pa, ±1000Pa, ±10000Pa	±100Pa, ±1000Pa, ±10000Pa
Accuracy	±1%F.S	±1%F.S	±1%F.S
Operating Temperature	-20°C~70°C	-10°C~60°C	-10°C~60°C
Output Signal	4-20mA、0~5V/0~10V、RS485、0~10VDC&RS485	4-20mA(without backlight)、0~5V、0~10VDC、RS485、0~10VDC&RS485、4~20mA&0~5/10VDC	4~20mA&0~10V、RS485
Protection Grade	IP54	IP54	IP65

	Differential Pressure Transmitter	High Accuracy Differential Pressure Transmitter	Embedded Differential Pressure Transmitter(SS Panel)
MODEL	**LFM52**	**LFM53**	**LFM55**
Medium	air or neutral gas	air or neutral gas	dry air or neutral gas
Measuring Range	±100Pa, ±1000Pa, ±10000Pa	±25Pa, ±50Pa, ±100Pa	±100Pa
Accuracy	±1%F.S	±25Pa ±1Pa、±50Pa ±1%F.S、±100Pa ±0.5%F.S	±1Pa
Operating Temperature	-20°C~70°C	-20°C~70°C	-20°C~70°C
Output Signal	4~20mA(without backlight)、0~5VDC/0~10VDC、RS485、4~20mA&0~10VDC	RS485、4~20mA/0~10VDC	RS485、4~20mA/0~10VDC dual output
Protection Grade	IP65	IP65	IP30

🛡 PRODUCT OVERVIEW

LEFOO Low Differential Pressure Transmitter uses high-precision MEMS sensors, digital pressure acquisition and temperature compensation methods; it has the characteristics of sensitive pressure response, long-term stable output, and superior temperature performance. It can detect positive pressure, negative pressure, and differential pressure, widely used for monitoring air or neutral gases. Suitable for HVAC, energy management systems, VAV and fan control, environmental pollution control, static pipelines, clean rooms, operating rooms, dust-free test rooms, smoke hood control, oven pressurization and furnace ventilation control fields.

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PRODUCT PARAMETERS

Atmosphere Pressure Transmitter

Multifunctional DP Transmitter/Controller

Intrinsic Safety Differential Pressure Transmitter

MODEL	LFM57	LFM73	LFM751
Medium	air (non-condensing)	air or neutral gas	air or neutral gas
Measuring Range	15kPa~130kPa	±100Pa、±1000Pa、±10000Pa	±100Pa、±1000Pa、±10000Pa
Accuracy	±0.25%F.S	±1%F.S	±0.5%F.S(±1000Pa,±10000Pa) ±1%F.S(±100Pa)
Operating Temperature	-20°C~70°C	-20°C~80°C	-20°C~70°C
Output Signal	4~20mA、0~10VDC、RS485	4~20mA(3-wire)/0~10V/RS485	4~20mA(2-wire)
Protection Grade	IP65	IP65	IP65

Explosion-proof DP Transmitter (dual output)

Explosion-proof DP Transmitter (single output)

MODEL	LFM76	LFM77
Medium	air or neutral gas	air or neutral gas
Measuring Range	±100Pa ~ ±10000Pa(range can be customized)	±100Pa ~ ±10000Pa(range can be customized)
Accuracy	±1.0%FS	±1.0%FS
Operating Temperature	-20℃ ~ 80℃	-20℃ ~ 80℃
Output Signal	4 ~ 20mA/RS485 4 ~ 20mA/0 ~ 10VDC 0 ~ 10VDC/RS485	4 ~ 20mA/0 ~ 10VDC/RS485
Protection Grade	IP65	IP65

PRESSURE TRANSMITTERS

🟧 PRODUCT OVERVIEW

LEFOO Pressure Transmitters are widely used in fluid pressure measurement systems, such as fire protection, water treatment, water supply, pneumatic devices, factory automation, using ASIC technology, MEMS technology, and digital compensation technology.
It can measure gas, water, oil and other media that are non-corrosive to stainless steel, and can be used in various complex environments.

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PRODUCT PARAMETERS

	Universal Pressure Transmitter	High Accuracy Pressure Transmitter	Sanitary Flat Diaphragm PressureTransmitter
MODEL	LFT2000	LFT2010	LFT2020
Medium	gas or liquid compatible with 1Cr18Ni9Ti, 304 stainless steel, Viton, nitrile or neoprene	gas or liquid compatible with 304 and 316L stainless steel, Viton or nitrile rubber	media compatible with 316L stainless steel, and selected rubber ring
Measuring Range	-100kPa ~ 0.3MPa...6MPa	0 ~ 0.1...4MPa	-100kPa...0 ~ 10kPa...6MPa
Accuracy	±0.5%F.S、±1.0%F.S	±0.1%F.S	±0.5%F. S
Operating Temperature	-20°C~85°C	-20°C~85°C	-20°C~85°C
Output Signal	4~20mA、0.5~4.5V、0~5V、0~10V	4~20mA、0~5V、0~10V、RS485	4~20mA、0.5~4.5V、0~10V、RS485
Protection Grade	IP65(small and big Hirschmann, M12) IP54(GX12 aviation connector, Packard)	IP54(GX12) IP65(big Hirschmann, M12)	IP54(GX12) IP65(big Hirschmann, M12)

	High Temperature Pressure Transmitter		Differential Pressure Transmitter
MODEL	LFT2030		LFT2050
Medium	gas or liquid compatible with 304 and 316L stainless steel, Viton or nitrile rubber		gas or liquid compatible with 304 and 316L stainless steel, Viton or nitrile rubber
Measuring Range	-100kPa...0~10kPa...60MPa (oil-filled silicone)	-100kPa~0.3MPa...1.6MPa (ceramic)	0~10kPa...3.5MPa
Accuracy	±0.5%F.S	±0.5%F.S/±1.0%F.S	±0.5%FS(0~10kPa...3.5MPa) ±0.25%F.S(0~100kPa...3.5MPa)
Operating Temperature	-20°C~85°C	-20°C~85°C	-10°C~60°C
Output Signal	High temperature:4~20mA、0.5~4.5V、0~5V、0~10V、RS485 Explosion-proof: 4~20mA、0~10V、RS485		4~20mA、0~10V、RS485
Protection Grade	IP54(GX12) IP65(big Hirschmann, M12, M20)		IP54(GX12) IP65(big Hirschmann, M12, M20)

PRODUCT PARAMETERS

	Refrigeration Pressure Transmitter	Anti-corrosion Pressure Transmitter	Refrigeration Pressure Transmitter
MODEL	LFT2060	LFT2080	LFT2600
Medium	R12,R22,R32,R134a,R404a, R407c,R410a,R502,R507	gas or liquid compatible with 1Cr18Ni9Ti, PVDF, fluoroelastomer or perfluoroether rubber	R12,R22,R32,R134a,R404a, R407C,R410a,R502,R507
Measuring Range	0~10...50Bar	-100kPa~100kPa...2MPa	0~10...50Bar
Accuracy	±1.5%F.S(-20~80°C) ±2.5%F.S(-40~120°C)	±0.5%F.S ±1%FS	±2.0%F.S(-30~120°C) ±0.8%F.S(-40~40°C)
Operating Temperature	-40~120°C	-20~80°C	-40~120°C
Output Signal	0.5~4.5V (proportional voltage output)	4~20mA、0.5~4.5V、0~5V、0~10V	0.5~4.5VDC
Protection Grade	IP67	IP65	IP67

	Flat Diaphragm Pressure Transmitter	Pressure Transmitter
MODEL	LFT2700	LFT2800
Medium	gas or liquid compatible with 304 and 316L stainless steel, Viton or nitrile rubber	gas or liquid compatible with 304 and 316L stainless steel, Viton or nitrile rubber
Measuring Range	-100kPa...0~20kPa...35MPa	-100kPa...0~5kPa...60MPa
Accuracy	±0.5%F.S;+1.0%F.S	±0.5%F.S(-100kPa...0~5kPa...60MPa) ±0.25%F.S(-100kPa...0~10kPa...60MPa)
Operating Temperature	-20~85°C	-20~85°C
Output Signal	4~20mA、0.5~4.5V、0~5V、0~10V、RS485	4~20mA、0.5~4.5V、0~5V、0~10V、RS485
Protection Grade	IP54(GX12) IP65(big Hirschmann, M12, M20)	IP54(GX12) IP65(big Hirschmann, M12, M20)

PRODUCT PARAMETERS

Submersible Level Transmitter   **Temperature&Pressure Transmitter**   **Temperature&Level Transmitter**

MODEL	LFT3000	LFT3100	LFT3200
Medium	fluid compatible with 304 and 316L stainless steel, PE, PVC, Viton or nitrile rubber	gas and liquid compatible with 304and 316L stainless steel,Viton or nitrile rubber	fluid compatible with 304 and 316L stainless steel, PE, PVC, Viton or nitrile rubber
Measuring Range	0~0.5...200mH$_2$0	0~10kPa...70MPa	0~1...200mH$_2$0
Accuracy	±0.5%FS	Pressure:±0.5%F.S Temperature:±2%F.S	Pressure:±0.5%F.S Temperature:±2%F.S
Operating Temperature	-20~85°C	-20~85°C	-20~85°C
Output Signal	4~20mA、0.5~4.5V、0~5V、0~10V、RS-485	4~20mA、0.5~4.5V、RS-485	4~20mA、0.5~4.5V、RS-485
Protection Grade	IP68	IP54(GX12) IP65(big Hirschmann, M12)	IP68

Wireless Submersible Level Transmitter   **Wireless Pressure Transmitter**   **Digital Pressure Gauge**

MODEL	LFT3600	LFT6600	LFT6100
Medium	gas and liquid compatible with 304 and 316L stainless steel, Viton or nitrile rubber		
Measuring Range	0~0.5...200mH$_2$O	-100KPa...0~5kPa...60MPa	-100kPa...0~100kPa...60MPa
Accuracy	±0.5%FS	±0.5%F.S(-100KPa...0~5kPa...60MPa) ±0.25%FS(-100KPa0...0~10kPa...60MPa)	±0.25%F.S
Operating Temperature	-20℃~70℃	-20~70℃	-20~60°C
Communication Method	NB-IoT，4G	NB-IoT，4G	/
Power Supply	NB-IoT:3.6V@19Ah(disposable battery) 4G:3.6V@19Ah(disposable battery)/10~30VDC		/
Protection Grade	IP65	IP65	/

PRODUCT PARAMETERS

Explosion-proof Pressure Transmitter   **Smart Pressure Transmitter**   **Water Pressure Transmitter**

MODEL	LFT6200	LFT6700	LFT221
Medium	gas or liquid compatible with 304 and 316L stainless steel,Viton or nitrile rubber	gas or liquid compatible with 304 stainless steel	fluid that non-corrosive to PA66, ceramic, and EPDM
Measuring Range	-100kPa...0~5kPa...60MPa	0~10...60MPa	0~1MPa(normal pressure range)
Accuracy	±0.5%F.S(-100kPa...0~5kPa...60MPa) ±0.25%F.S(-100kPa...0~10kPa...60MPa)	±1.0%F.S	±2.0%F.S
Operating Temperature	-20~80°C	-10~60°C	0°C~60°C
Output Signal	4~20mA、4~20mA+HART、0~10V、RS-485	RS-485	0.5~4.5V (proportional voltage output)
Protection Grade	IP65	IP67	IP65

Digital Display Pressure Transmitter   **Smart Pressure Transmitter**

MODEL	LFT6800		MODEL	LFT700
Medium	gas or liquid compatible with 304 and 316L, Viton or Nitrile rubber	gas or liquid compatible with 1Cr18Ni9Ti, 304, fluorine rubber or nitrile rubber	Diaphragm	316L, Hastelloy C, Tantalum
Measuring Range	-100kPa...0~5kPa...60MPa (oil-filled silicone)	-100kPa~0.3MPa...60MPa (ceramic)	Measuring Range	0-200Pa~6kPa(0-20~600mmH$_2$O)/(0-2~60mbar) 0-400Pa~40kPa(0-40~4000mmH$_2$O)/(0-4~400mbar) 0-2.5kPa~250kPa(0-0.25~25mH$_2$O)/(0-25~2500mbar) 0-10kPa~1MPa(0-1~100mH$_2$O)/(0-0.1~10bar) 0-30kPa~3MPa(0-3~300mH$_2$O)/(0-0.3~30bar) 0-100kPa~10MPa(0-10~1000mmH$_2$O)/(0-1~100bar)
Accuracy	±1.0%F.S;±0.5%F.S	±1.0%F.S	Accuracy	±0.075% F.S.
Operating Temperature	-20~75°C		Working Environment	-20~70℃with display，5-100%RH@40℃
Output Signal	4~20mA、0~10V、RS485	4~20mA、0~10V	Output Signal	4~20mA、4~20mA+HART、RS485
Protection Grade	IP54		Protection Grade	IP65

DIFFERENTIAL PRESSURE TRANSMITTERS

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PRODUCT PARAMETERS

Smart DP Transmitter

MODEL	LFT710
Diaphragm	316L, Hastelloy C, Tantalum
Measuring Range	0-200Pa~6kPa(0-20~600mmH$_2$O)/(0-2~60mbar) 0-400Pa~40kPa(0-40~4000mmH$_2$O)/(0-4~400mbar) 0-2.5kPa~250kPa(0-0.25~25mH$_2$O)/(0-25~2500mbar) 0-10kPa~1MPa(0-1~100mH$_2$O)/(0-0.1~10bar) 0-30kPa~3MPa(0-3~300mH$_2$O)/(0-0.3~30bar)
Accuracy	±0.075% F.S.
Working Environment	-20~70℃ with display，5-100%RH@40℃
Output Signal	4~20mA、4~20mA+HART、RS485
Protection Grade	IP65

Flange-mounted DP Transmitter　　　　Remote Flange DP Transmitter

MODEL	LFT720A	LFT720B
Diaphragm	316L, Hastelloy C, Tantalum	316L, Hastelloy C, Tantalum
Measuring Range	0-1kPa~40kPa(0-100~4000mmH$_2$O)/(0-10~400mbar) 0-2.5kPa~250kPa(0-0.25~25mH$_2$O)/(0-25~2500mbar) 0-10kPa~1MPa(0-1~100mH$_2$O)/(0-0.1~10bar) 0-30kPa~3MPa(0-3~300mH$_2$O)/(0-0.3~30bar)	0-4kPa~40kPa(0-400~4000mmH$_2$O)/(0-40~400mban) 0-5kPa~250kPa(0-0.5~25mmH$_2$O)/(0-50~2500mbar) 0-100kPa~1MPa(0-10~100mmH$_2$O)/(0-1~10bar) 0-300kPa~3MPa(0-30~300mmH$_2$O)/(0-3~30bar)
Accuracy	±0.075% F.S.	±0.075% F.S.
Working Environment	-20~70℃ with display，5-100%RH@40℃	-20~70℃ with display，5-100%RH@40℃
Output Signal	4~20mA、4~20mA+HART	4~20mA、4~20mA+HART
Protection Grade	IP65	IP65

🛡 PRODUCT OVERVIEW

LEFOO Smart Differential Pressure Transmitter uses monocrystalline silicon sensing element made of Germany advanced MEMS technology and has a built-in temperature compensation element. It provides extremely high measurement accuracy and long-term stability under a wide range of static pressure and temperature changes. It can be used to measure the level, density, and pressure of liquids, gases, or steam. It is widely used in many fields such as industrial process control, automated manufacturing, aerospace, automobiles and ships, petroleum and petrochemicals, electronics and electricity, and medical and health care.

/ Differential Pressure Transmitters

Differential Pressure Transmitters / 10

DIGITAL PRESSURE SWITCHES

🟡 PRODUCT OVERVIEW

LEFOO Digital Pressure Switches series uses high-reliability measuring cell for pressure measurement. The signal is processed by the back-end circuit and displayed on the screen, and the relay output is automatically controlled according to the pressure change. This series of products adopts full engineering plastic shell and a high-contrast LCD digital display, allowing the product to be used in various industrial situations. It provides a variety of connection methods to fully meet various specific installation needs. It has a variety of built-in settings, allowing users to adjust working parameters by themselves, which is flexible and convenient. This series of products has the characteristics of vibration resistance, long life, simple operation, strong stability and clear display.

PRODUCT PARAMETERS

Digital Pressure Switch

MODEL	LFDS62
Medium	gas or liquid compatible with 1Cr18Ni9Ti, nylon, fluoroelastomer or nitrile rubber
Pressure Range	0~10Bar、0~16Bar
Accuracy	±1%F.S
Working Environment	-10℃~50℃
Output Mode	AC output, the output voltage is consistent with the power supply voltage
Protection Grade	IP55

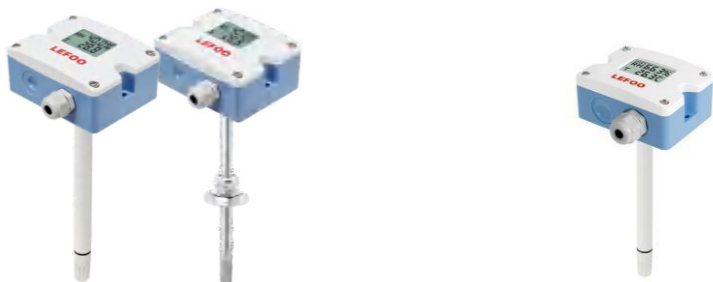Digital Pressure Switch   Digital Pressure Switch

MODEL	LFDS63	LFDS65
Medium	gas or liquid compatible with 1Cr18Ni9Ti, Nylon, Fluorine rubber or Nitrile Rubber	Vacuum Type (negative pressure): non-corrosive dry gas. Positive Pressure Type: gas or liquid compatible with 1Cr18Ni9Ti, copper, fluorine rubber or nitrile rubber
Pressure Range	Vacuum Type (negative pressure)：-101~0kPa Medium Pressure Type：0~1...5MPa	Vacuum Type (negative pressure)：-101~0kPa Positive Pressure Type：0~2.0MPa
Accuracy	±1%F.S	±1%F.S
Working Environment	-10℃~50℃	-10℃~50℃
Output Mode	single AC output (active charge), single switch output	relay output, AC output
Protection Grade	IP54	IP54

TEMPERATURE&HUMIDITY/
TEMPERATURE TRANSMITTERS

PRODUCT PARAMETERS

Temperature&Humidity Transmitter

Economical Temperature&Humidity Transmitter

MODEL	LFH10		LFH10A	
Type	Relative humidity	Temperature	Relative humidity	Temperature
Measuring Range	0%~100%RH	0~50℃, -20~60℃ etc.	0%~100%RH	0~50℃, -20~60℃ etc.
Accuracy	±3%@20℃&20~80%RH	Digital sensor: ±0.3℃@0-60℃ Thermal resistance: Typical±0.2~0.4℃@25℃	±3%@20℃&20~80%RH	Digital sensor: ±0.3℃@0-60℃ Thermal resistance: Typical ±0.2~0.4℃@25℃
Output Mode	4~20mA, 0~10VDC, RS485/Modbus optional	4~20mA, 0~10VDC, RS485/Modbus optional	4~20mA, 0~10VDC, RS485/Modbus optional	4~20mA, 0~10VDC, RS485/Modbus optional
Working Environment	-20~60℃, 5%-95%RH(non-condensing)		-20~60℃, 5%-95%RH(non-condensing)	
Protection Grade	IP65		IP65	

Room Temperature&Humidity Transmitter

Temperature&Humidity Controller

MODEL	LFH20		LFH21	
Type	Relative humidity	Temperature	Relative humidity	Temperature
Measuring Range	0%~100%RH	0~50℃, -20~60℃ etc.	0%~100%RH	0~50℃, -20~60℃ etc.
Accuracy	±3%@20℃&20~80%RH	Digital sensor: ±0.3℃@20℃ Thermal resistance: typical±0.2~0.4℃@25℃	±3%@20℃&20~80%RH	Digital sensor: ±0.3℃@20℃ Thermal resistance: typical±0.2~0.4℃@25℃
Output Mode	4~20mA, 0~10VDC, RS485/Modbus optional	4~20mA, 0~10VDC, RS485/Modbus optional	0~10VDC, RS485/Modbus optional	0~10VDC, RS485/Modbus optional
Working Environment	-20~60℃, 5%-95%RH(non-condensing)		-20~60℃, 5%-95%RH(non-condensing)	
Protection Grade	IP30		IP30	

🔶 PRODUCT OVERVIEW

LEFOO Temperature&Humidity/Temperature Transmitter is specially designed for temperature and humidity detection. Different installation methods available, such as wall-mounted, duct type, room switch box, and outdoor, easy to operate. It has special design for lightning surge, electrostatic discharge, group pulse, voltage resistance, etc., with strong anti-interference ability. Multiple output modes available, including current, voltage and RS485. It is widely used in communication server rooms, buildings, warehousing, and other places where temperature&humidity measurement needed.

PRODUCT PARAMETERS

High Accuracy Temperature & Humidity Transmitter

Probe Type Temperature & Humidity Transmitter

MODEL	LFH30		LFH51	
Type	Relative humidity	Temperature	Relative humidity	Temperature
Measuring Range	0%~100%RH	0~50℃，-20~60℃ etc.	0%~100%RH	0~50℃，-20~60℃ etc.
Accuracy	±2%@20℃&20~80%RH	±0.2℃@20℃ Thermal resistance: Typical±0.2~0.4℃@25℃	±3%@20℃&60%RH	±0.3℃@20℃
Output Mode	4~20mA，0~10VDC, RS485/Modbus optional	4~20mA，0~10VDC, RS485/Modbus optional	4~20mA，0~10VDC, RS485/Modbus optional	4~20mA，0~10VDC, RS485/Modbus optional
Working Environment	-20~60℃，5%-95%RH(non-condensing)		-40~85℃，5%-95%RH(non-condensing)	
Protection Grade	IP65		IP65	

Outdoor Temperature & Humidity Transmitter

Magnetic Temperature & Humidity Transmitter

MODEL	LFH52		LFH60	
Type	Relative humidity	Temperature	Relative humidity	Temperature
Measuring Range	0%~100%RH	0~50℃，-20~60℃ etc.	0%~100%RH	/
Accuracy	±3%@20℃&20~80%RH	Digital sensor: ±0.5℃@20℃ Thermal resistance: Typical±0.2~0.4℃@25℃	±3%@20℃&60%RH	±0.3℃@20℃
Output Mode	4~20mA，0~10VDC, RS485/Modbus optional	4~20mA，0~10VDC, RS485/Modbus optional	RS485/Modbus	RS485/Modbus
Working Environment	-20~60℃，5%-95%RH(non-condensing)		-20~60℃，5%-95%RH(non-condensing)	
Protection Grade	IP65		IP30	

PRODUCT PARAMETERS

High-temperature Temperature & Humidity Transmitter

MODEL	LFH70	
Type	Relative humidity	Temperature
Measuring Range	0~100%	-40~180℃
Accuracy	≤90%RH@20℃±2%RH >90%RH@20℃±2.3%RH	±0.2℃@20℃
Output Mode	4~20mA，0~10VDC, RS485/Modbus optional	4~20mA，0~10VDC, RS485/Modbus optional
Working Environment	operating temperature range of electronic components (with LCD display)，-20~60℃	
Protection Grade	IP65	

Temperature Transmitter

Armored Temperature Transmitter

Integrated Temperature Transmitter

MODEL	LFW10	LFW20	LFW21
Type	liquid or gas, etc. (compatible with contact materials)	liquid or gas, etc. (compatible with contact materials)	liquid or gas, etc. (compatible with contact materials)
Measuring Range	0~50℃，-20~60℃ etc.	-50~300℃ etc.	-50~200℃ etc.
Accuracy	0.2~0.5°C@0~25℃ ±0.3°C@25℃	0.25%FS、0.5%FS	0.5%FS
Output Mode	4~20mA/0-10V/0-5V	4~20mA/0-10V/RS485/ PT100/PT1000	4~20mA/0-10V/PT100/PT1000
Working Environment	-40~70℃ 0~95%RH(non-condensing)	-40~85℃ 0~95%RH(non-condensing)	-40~85℃ 0~95%RH(non-condensing)
Protection Grade	IP65	IP65	IP65(without display), IP54(with display)

GAS DETECTING TRANSMITTERS

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PRODUCT PARAMETERS

Wall-mounted Carbon Monoxide Transmitter   Room Carbon Monoxide Transmitter

MODEL	LFG101	LFG103
Measuring Range	0-500ppm/0-1000ppm	0~100ppm/0~250ppm/0~400ppm
Accuracy	±5%F.S@25℃	±5%FS
Respond Time(T$_{90}$)	≤15s	≤60s
Working Environment	-10~50℃，15%~90%RH（non-condensing）	0~50°C&15~90%RH(non-condensing)(continued) -10~60°C&0~95%RH(non-condensing)(intermittent)
Output Signal	4~20mA、0~5V、0~10V、RS485	4~20mA&0~10V、RS485
Protection Grade	IP6X	IP30

Wall-mounted Carbon Dioxide Transmitter   Duct Carbon Dioxide Transmitter

MODEL	LFG201	LFG202
Measuring Range	0-2000ppm/0-5000ppm/0-10000ppm	0-2000ppm/0-5000ppm
Accuracy	±(40ppm+3%Fs)@25℃	±(40ppm+3%MV)ppm
Respond Time(T$_{90}$)	2min	2min
Working Environment	-10℃~50℃，0-80%RH（non-condensing）	0~50℃，0-85%RH（non-condensing）
Output Signal	4~20mA、0~5V、0~10V、RS485	4~20mA、0~5V、0~10V、RS485
Protection Grade	IP6X	Shell IP65 / Probe IP30

🛡 **PRODUCT OVERVIEW**

LEFOO Gas Detecting Transmitters have the characteristics of high precision, high stability and fast response, and can monitor and accurately measure the concentration of carbon monoxide, carbon dioxide, PM2.5, formaldehyde and other gases in real time. Different models of products are suitable for wall-mounted, air duct, indoor, outdoor and other installation forms, making it easy for users to choose according to actual needs. These transmitters are widely used in environmental monitoring, indoor air quality control, industrial safety production and other fields.

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PRODUCT PARAMETERS

Room Carbon Dioxide Transmitter

Room Dust PM2.5&PM10 Transmitter/Controller

MODEL	LFG203	LFG303
Measuring Range	0-2000ppm/0-5000ppm	PM2.5:0~500μg/m^3, particle size0.3~2.5μm PM10:0~600μg/m^3, particle size0.3~10μm
Accuracy	±(40ppm+3%MV)ppm	PM2.5:±10μg/m^3@0~100μg/m^3, ±10%FS@100~500μg/m^3,@25℃
Respond Time(T$_{90}$)	2min	continuous measurement mode single response time < 1S comprehensive response time < 10S
Working Environment	0℃~50℃, 0-85%RH (non-condensing)	0℃~50℃&0-95%RH (non-condensing)
Output Signal	4~20mA、0~5V、0~10V、RS485	4~20mA&0~10V、RS485
Protection Grade	IP30	IP30

All-In-One Air Quality Transmitter

MODEL	LFG60		
Type	Temperature	Relative humidity	PM2.5/PM10
Measuring Range	0~50℃	0~100%RH	PM2.5:0~500μg/m^3,particle size 0.3~2.5μm PM10:0~600μg/m^3,particle size 0.3~10μm
Accuracy	±0.5℃@20℃;≤±1℃@0~50℃	±3%RH@20℃&20~80%RH	PM2.5:±10μg/m^3@0~100μg/m^3, ±10%FS@100~500/600μg/m^3,@25℃
Type	C0$_2$	VOC	Formaldehyde
Measuring Range	0~5000ppm	0~2ppm	0~1ppm
Accuracy	(±40ppm±3%MV)ppm	1ppb	+10%FS@25℃
Output Signal	Isolated/Non-isolated RS485		
Working Environment	0~50℃&0~95%RH(non-condensing)		
Protection Grade	IP30		

AIR VELOCITY TRANSMITTERS

🟠 PRODUCT OVERVIEW

LEFOO Air Velocity Transmitter has the characteristics of high precision, fast response, and strong stability. It can measure wind speed in real time and output a standard signal. Different designs(standard model, low-speed, and Explosion-proof) to meet the needs of different applications. It plays an important role in meteorological observation, environmental monitoring, industrial production and other fields, providing data support for wind energy utilization, ventilation system optimization, and production safety monitoring. Compact structure and easy installation also make it suitable for various complex environments, an ideal choice in the field of wind speed measurement.

PRODUCT PARAMETERS

Air Velocity Transmitter | **Low-speed Air Velocity Transmitter**

MODEL	LFS10	LFS11
Measuring Range	0-10m/s，0-15m/s，0-20m/s，0-30m/s	0-1m/s，0-1.5m/s，0-2m/s
Accuracy	±(0.2m/s+3% of mv)(20℃,45%RH and 1013hPa)	±(0.4m/s+3% of mv)(20℃,45%RH and 1013hPa)
Power Supply	24V AC/DC±20%	12-30VDC/24VAC(+20%)
Operating Temperature	-10~+60℃	-10~+60℃
Output Signal	RS485/Modbus,0~10VDC/4~20mA(3-wire)	RS485/Modbus,0~10VDC/4~20mA(dual output)
Protection Grade	Shell IP65/Probe IP20	Shell IP65/Probe IP20

Explosion-proof Air Velocity Transmitter (single output) | **Explosion-proof Air Velocity Transmitter (dual output)**

MODEL	LFS71	LFS72
Measuring Range	air or neutral gas	air or neutral gas
Accuracy	0~10m/s、0~20m/s、0~30m/s、0~40m/s(customized)	0~10m/s、0~20m/s、0~30m/s、0~40m/s(customized)
Power Supply	±3.0%FS(wind speed > 3m/s)	±3.0%FS(wind speed > 3m/s)
Operating Temperature	body：-20℃~80℃；probe：-40℃~450℃	body：-20℃~80℃；probe：-40℃~450℃
Output Signal	4~20mA、0~10VDC、RS-485	4~20mA / RS485 4~20mA / 0~10VDC 0~10VDC / RS-485
Protection Grade	IP65	IP65

FLOWMETERS

🛡 PRODUCT OVERVIEW

LEFOO Flowmeters are used to measure fluid flow, with characteristics of high precision, fast response and wide applicability, simple structure, easy installation and stable operation. Various models, including Electromagnetic Flowmeter, Vortex Flowmeter, Turbine Flowmeters and other types, with wide applications, such as industrial production, environmental monitoring, energy measurement, etc., providing reliable data support for industrial production.

LEFOO

PRODUCT PARAMETERS

Electromagnetic Flowmeter

Vortex Flowmeter

MODEL	LFLD	LFLUGB
Nominal Diameter	10-3000mm	20-300mm
Max Flow	15m/s	10m/s
Nominal Pressure	1.6MPa、1.0MPa、0.6MPa	4.0MPa、2.5MPa、1.6MPa、0.6MPa
Accuracy	0.5%	1.0%
Output Signal	4-20mA、HART、RS485	4-20mA、HART、RS485、pulse
Environment Temperature	-10℃-60℃	-10℃~60℃
Flange Material	carbon steel, stainless steel(304, 316, 316L)	carbon steel, stainless steel(304, 316, 316L)
Protection Grade	IP65、IP68	IP65

Turbine Flowmeter

MODEL	LFLWGY
Nominal Diameter	4-300mm
Max Flow	10m/s
Nominal Pressure	10MPa、6.3MPa、2.5MPa、1.6MPa
Accuracy	1.0%
Output Signal	4-20mA、HART、RS485、pulse
Environment Temperature	-10℃~60℃
Flange Material	carbon steel, stainless steel(304, 316, 316L)
Protection Grade	IP65