

# LEFOO

## SENSOR



# LEFOO

Add: No.118, Changda Road, Linping District, Hangzhou, Zhejiang 311100, China.  
Mobile/WhatsApp/WeChat: +86-15868126611  
Tel: +86-571-89363666  
Fax: +86-571-89363678  
Email: [charlie@lefoo.com](mailto:charlie@lefoo.com)  
Web: [www.lefoogroup.com](http://www.lefoogroup.com)

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

# ABOUT US

# CONTENTS

● **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.

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 manufacturing 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.



**LOW DIFFERENTIAL PRESSURE TRANSMITTERS** **01-03**

- LFM108 Economical Differential Pressure Transmitter
- LFM11 Differential Pressure Transmitter
- LFM33 Differential Pressure Transmitter/Controller
- LFM52 Differential Pressure Transmitter
- LFM53 High Accuracy Differential Pressure Transmitter
- LFM55 Embedded Differential Pressure Transmitter(SS Panel)
- LFM57 Atmosphere Pressure Transmitter
- LFM73 Multifunctional DP Transmitter/Controller
- LFM751 Intrinsic Safety Differential Pressure Transmitter
- LFM76 Explosion-proof DP Transmitter(dual output)
- LFM77 Explosion-proof DP Transmitter(single output)

**PRESSURE TRANSMITTERS** **04-08**

- LFT2000 Universal Pressure Transmitter
- LFT2010 High Accuracy Pressure Transmitter
- LFT2020 Sanitary Flat Diaphragm Pressure Transmitter
- LFT2030 High Temperature Pressure Transmitter
- LFT2050 Differential Pressure Transmitter
- LFT2060 Refrigeration Pressure Transmitter
- LFT2080 Anti-corrosion Pressure Transmitter
- LFT2600 Refrigeration Pressure Transmitter
- LFT2700 Flat Diaphragm Pressure Transmitter
- LFT2800 Pressure Transmitter
- LFT3000 Submersible Level Transmitter
- LFT3100 Temperature&Pressure Transmitter
- LFT3200 Temperature&Level Transmitter
- LFT3600 Wireless Submersible Level Transmitter
- LFT6600 Wireless Pressure Transmitter
- LFT6100 Digital Pressure Gauge
- LFT6200 Explosion-proof Pressure Transmitter
- LFT6700 Smart Pressure Transmitter
- LFT221 Water Pressure Transmitter
- LFT6800 Digital Display Pressure Transmitter
- LFT700 Smart Pressure Transmitter

**DIFFERENTIAL PRESSURE TRANSMITTERS** **09-10**

- LFT710 Smart DP Transmitter
- LFT720A Flange-mounted DP Transmitter
- LFT720B Remote Flange DP Transmitter

**DIGITAL PRESSURE SWITCHES** **11-12**

- LFDS62 Digital Pressure Switch
- LFDS63 Digital Pressure Switch
- LFDS65 Digital Pressure Switch

**TEMPERATURE&HUMIDITY TEMPERATURE TRANSMITTERS** **13-16**

- LFH10 Temperature&Humidity Transmitter
- LFH10A Economical Temperature&Humidity Transmitter
- LFH20 Room Temperature&Humidity Transmitter
- LFH21 Temperature&Humidity Controller
- LFH30 High Accuracy Temperature&Humidity Transmitter
- LFH51 Probe Type Temperature&Humidity Transmitter
- LFH52 Outdoor Temperature&Humidity Transmitter
- LFH60 Magnetic Temperature&Humidity Transmitter
- LFH70 High-temperature Temperature& Humidity Transmitter
- LFW10 Temperature Transmitter
- LFW20 Armored Temperature Transmitter
- LFW21 Integrated Temperature Transmitter

**GAS DETECTING TRANSMITTERS** **17-19**

- LFG101 Wall-mounted Carbon Monoxide Transmitter
- LFG103 Room Carbon Monoxide Transmitter
- LFG201 Wall-mounted Carbon Dioxide Transmitter
- LFG202 Duct Carbon Dioxide Transmitter
- LFG203 Room Carbon Dioxide Transmitter
- LFG303 Room Dust PM2.5&PM10 Transmitter/Controller
- LFG60 All-In-One Air Quality Transmitter

**AIR VELOCITY TRANSMITTERS** **20-21**

- LFS10 Air Velocity Transmitter
- LFS11 Low-speed Air Velocity Transmitter
- LFS71 Explosion-proof Air Velocity Transmitter (single output)
- LFS72 Explosion-proof Air Velocity Transmitter (dual output)

**FLOWMETERS** **22-23**

- LFLD Electromagnetic Flowmeter
- LFLUGB Vortex Flowmeter
- LFLWGY Turbine Fowmeter



# LOW DIFFERENTIAL PRESSURE TRANSMITTERS

LEFOO

## 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.



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℃~70℃	-20℃~80℃	-20℃~70℃
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.



PRODUCT PARAMETERS



Universal Pressure Transmitter

High Accuracy Pressure Transmitter

Sanitary Flat Diaphragm Pressure Transmitter

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℃~85℃	-20℃~85℃	-20℃~85℃
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℃~85℃	-20℃~85℃	-10℃~60℃
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℃) ±2.5%F.S(-40~120℃)	±0.5%F.S ±1%FS	±2.0%F.S(-30~120℃) ±0.8%F.S(-40~40℃)
Operating Temperature	-40~120℃	-20~80℃	-40~120℃
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℃	-20~85℃
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 304 and 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 <sub>2</sub> O	0~10kPa...70MPa	0~1...200mH <sub>2</sub> O
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 <sub>2</sub> O	-100kPa...0~5kPa...60MPa	-100kPa...0~100kPa...60MPa
Accuracy	±0.5%FS	±0.5%F.S(-100kPa...0~5kPa...60MPa) ±0.25%F.S(-100kPa0...0~10kPa...60MPa)	±0.25%F.S
Operating Temperature	-20°C~70°C	-20~70°C	-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 <sub>2</sub> O)/(0-2~60mbar) 0-400Pa~40kPa(0-40~4000mmH <sub>2</sub> O)/(0-4~400mbar) 0-2.5kPa~250kPa(0-0.25~25mH <sub>2</sub> O)/(0-25~2500mbar) 0-10kPa~1MPa(0-1~100mH <sub>2</sub> O)/(0-0.1~10bar) 0-30kPa~3MPa(0-3~300mH <sub>2</sub> O)/(0-0.3~30bar) 0-100kPa~10MPa(0-10~1000mH <sub>2</sub> 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°Cwith display, 5-100%RH@40°C
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

## PRODUCT PARAMETERS



Smart DP Transmitter

MODEL	LFT710
Diaphragm	316L, Hastelloy C, Tantalum
Measuring Range	0-200Pa~6kPa(0-20~600mmH <sub>2</sub> O)/(0-2~60mbar) 0-400Pa~40kPa(0-40~4000mmH <sub>2</sub> O)/(0-4~400mbar) 0-2.5kPa~250kPa(0-0.25~25mH <sub>2</sub> O)/(0-25~2500mbar) 0-10kPa~1MPa(0-1~100mH <sub>2</sub> O)/(0-0.1~10bar) 0-30kPa~3MPa(0-3~300mH <sub>2</sub> 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 <sub>2</sub> O)/(0-10~400mbar) 0-2.5kPa~250kPa(0-0.25~25mH <sub>2</sub> O)/(0-25~2500mbar) 0-10kPa~1MPa(0-1~100mH <sub>2</sub> O)/(0-0.1~10bar) 0-30kPa~3MPa(0-3~300mH <sub>2</sub> O)/(0-0.3~30bar)	0-4kPa~40kPa(0-400~4000mmH <sub>2</sub> O)/(0-40~400mbar) 0-5kPa~250kPa(0-0.5~25mmH <sub>2</sub> O)/(0-50~2500mbar) 0-100kPa~1MPa(0-10~100mmH <sub>2</sub> O)/(0-1~10bar) 0-300kPa~3MPa(0-30~300mmH <sub>2</sub> 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.



# DIGITAL PRESSURE SWITCHES

## 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

### 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.



# 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°C, -20~60°C etc.	0%~100%RH	0~50°C, -20~60°C etc.
Accuracy	±2%@20°C&20~80%RH	±0.2°C@20°C Thermal resistance: Typical±0.2~0.4°C@25°C	±3%@20°C&60%RH	±0.3°C@20°C
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°C, 5%-95%RH(non-condensing)		-40~85°C, 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°C, -20~60°C etc.	0%~100%RH	/
Accuracy	±3%@20°C&20~80%RH	Digital sensor: ±0.5°C@20°C Thermal resistance: Typical±0.2~0.4°C@25°C	±3%@20°C&60%RH	±0.3°C@20°C
Output Mode	4~20mA, 0~10VDC, RS485/Modbus optional	4~20mA, 0~10VDC, RS485/Modbus optional	RS485/Modbus	RS485/Modbus
Working Environment	-20~60°C, 5%-95%RH(non-condensing)		-20~60°C, 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°C
Accuracy	≤90%RH@20°C±2%RH >90%RH@20°C±2.3%RH	±0.2°C@20°C
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°C	
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°C, -20~60°C etc.	-50~300°C etc.	-50~200°C etc.
Accuracy	0.2~0.5°C@0~25°C ±0.3°C@25°C	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°C 0~95%RH(non-condensing)	-40~85°C 0~95%RH(non-condensing)	-40~85°C 0~95%RH(non-condensing)
Protection Grade	IP65	IP65	IP65(without display), IP54(with display)



# GAS DETECTING TRANSMITTERS

## 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 <sub>90</sub> )	≤15s	≤60s
Working Environment	-10~50℃, 15%~90%RH (non-condensing)	0~50℃&15~90%RH(non-condensing)(continued) -10~60℃&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 <sub>90</sub> )	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.



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/m³, particle size0.3~2.5µm PM10:0~600µg/m³, particle size0.3~10µm
Accuracy	±(40ppm+3%MV)ppm	PM2.5:±10µg/m³@0~100µg/m³, ±10%FS@100~500µg/m³,@25°C
Respond Time(T <sub>90</sub> )	2min	continuous measurement mode single response time < 1S comprehensive response time < 10S
Working Environment	0°C~50°C, 0-85%RH (non-condensing)	0°C~50°C&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°C	0~100%RH	PM2.5:0~500µg/m³,particle size0.3~2.5µm PM10:0~600µg/m³,particle size0.3~10µm
Accuracy	±0.5°C@20°C;±1°C@0~50°C	±3%RH@20°C&20~80%RH	PM2.5:±10µg/m³@0~100µg/m³, ±10%FS@100~500/600µg/m³,@25°C
Type	CO <sub>2</sub>	VOC	Formaldehyde
Measuring Range	0~5000ppm	0~2ppm	0~1ppm
Accuracy	(±40ppm±3%MV)ppm	1ppb	+10%FS@25°C
Output Signal	Isolated/Non-isolated RS485		
Working Environment	0~50°C&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°C,45%RH and 1013hPa)	±(0.4m/s+3% of mv)(20°C,45%RH and 1013hPa)
Power Supply	24V AC/DC±20%	12-30VDC/24VAC(+20%)
Operating Temperature	-10~+60°C	-10~+60°C
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°C ~ 80°C; probe: -40°C ~ 450°C	body: -20°C ~ 80°C; probe: -40°C ~ 450°C
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.

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