LEFOO

SENSOR

LEFOO

Add: No.118, Changda Road, Linping District, Hangzhou, Zhejiang 311100, China.

Tel: +86-571-89363666

Fax:+86-571-89363678

Email:lefoogroup@lefoo.com

Web: www.lefoogroup.com

LFCGQ06020250825ZJY

Pressure • Differential Pressure • Low Differential Pressure • Temperature
Temperature&Humidity • Gas • Air Velocity • Flowmeter • Ultrasonic Level Meter

ABOUT US

LEFOO was founded in 2000. It is a high-tech enterprise integrating R&D, manufacturing and sales. It is entitled "Professional, 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.

- **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.

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 PressureTransmitter

MODEL	LFT2000	LFT2010	LFT2020
Medium	gas or liquid compatible with Alumina ceramic, 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	Without display:4~20mA、0.5~4.5V、0~10V、RS485; Explosion-proof with display: 4~20mA、0~10V、RS485
Protection Grade	IP65(small and big Hirschmann, M12 water-proof,M12 aviation), IP54(GX12 aviation connector, Packard)	IP54(GX12),IP65(big Hirschmann,M12 water-proof, M12 aviation)	IP54(GX12),IP65(big Hirschmann,M12 water-proof,M20 water-proof,M12 aviation)

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 Alumina ceramic, 304 stainless steel, Viton, nitrile or neoprene	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	Without display:4~20mA、0.5~4.5V、0~5V、0~10V、RS485; Explosion-proof with display: 4~20mA、0~10V、RS485		Without display:4~20mA、0.5~4.5V、0~5V、0~10V、RS485; Explosion-proof with display: 4~20mA、0~10V、RS485
Protection Grade	IP54(GX12),IP65(big Hirschmann, M12 water-proof,M20 water-proof,M12 aviation)		IP54(GX12),IP65(big Hirschmann,M12 water-proof,M20 water-proof,M12 aviation)

PRODUCT PARAMETERS

Refrigeration Pressure Transmitter

Anti-corrosion Pressure Transmitter

Universal Pressure Transmitter

MODEL	LFT2060	LFT2080	LFT2100
Medium	R12,R22,R32,R134a,R404a, R407c,R410a,R502,R507	gas or liquid compatible with Alumina ceramic, PVDF, fluoroelastomer or perfluoroether rubber	gas or liquid compatible with Alumina ceramic, 304 stainless steel, Viton, nitrile or neoprene
Measuring Range	0~10...50Bar	-100kPa~100kPa...2MPa	-0.1MPa~0...3MPa, 0~0.1MPa...6MPa
Accuracy	±1.5%F.S(-20~80°C) ±2.5%F.S(-40~120°C)	±0.5%F.S ±1%FS	±0.5%F.S ±1%FS
Operating Temperature	-40~120°C	-20~80°C	-20~85°C
Output Signal	0.5~4.5V (proportional voltage output)	4~20mA、0.5~4.5V、 0~5V、0~10V	4~20mA、0.5~4.5V、 0~5V、0~10V
Protection Grade	IP67	IP65	IP65

Refrigeration Pressure Transmitter

Flat Diaphragm Pressure Transmitter

Hard Flush Diaphragm Pressure Transmitter

MODEL	LFT2600	LFT2700	LFT2730
Medium	R12,R22,R32,R134a,R404a, R407C,R410a,R502,R507	gas or liquid compatible with 304 and 316L stainless steel, Viton or nitrile rubber	liquids and gases compatible with 17-4PH stainless steel
Measuring Range	0~10...50Bar	-100kPa...0~20kPa...35MPa	-100kPa...0~2MPa...120MPa
Accuracy	±2.0%F.S(-30~120°C) ±0.8%F.S(-40~40°C)	±0.5%F.S;±1.0%F.S	0.5%F.S
Operating Temperature	-40~120°C	-20~85°C	-40~85°C、-40~120°C
Output Signal	0.5~4.5VDC	Without display:4~20mA、0.5~4.5V、 0~5V、0~10V、RS485; Explosion-proof with display: 4~20mA、0~10V、RS485	4~20mA、0~5V、1~5V、 0~10V
Protection Grade	IP67	IP54(GX12) IP65(big Hirschmann, M12, M20)	IP65

PRODUCT PARAMETERS

Pressure Transmitter

Submersible Level Transmitter

Anti-sediment Level Transmitter

MODEL	LFT2800	LFT3000	LFT3010
Medium	gas or 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	liquids compatible with wetted materials
Measuring Range	-100kPa...0~5kPa...60MPa	0~0.5...200mH_2O	0~1...500mH_2O/0~10kPa...5MPa
Accuracy	±0.5%F.S(-100kPa...0~5kPa...60MPa) ±0.25%F.S(-100kPa...0~10kPa...60MPa)	±0.5%FS	±0.2%F.S、±0.5%F.S
Operating Temperature	-20~85°C	-20~85°C	-40~80°C
Output Signal	4~20mA、0.5~4.5V、 0~5V、0~10V、RS485	4~20mA、0.5~4.5V、0~5V、 0~10V、RS-485	4~20mA、4~20mA+HART、 0~5V、0~10V、 RS485、1 relay switch
Protection Grade	IP54(GX12),IP65(big Hirschmann,M12 water-proof,M12 aviation)	IP68	IP68

Ceramic Piezoresistive Level Transmitter

Small-diameter Level Transmitter

Anti-corrosion Liquid Level Transmitter

MODEL	LFT3013	LFT3019	LFT3080
Medium	liquids compatible with wetted materials	liquids compatible with wetted materials	Fluids compatible with ceramics, polytetrafluoroethylene (PTFE), fluorine rubber (FKM), perfluoroether rubber (FFKM)
Measuring Range	0~2...200mH_2O/0~20kPa...2MPa	0~1...350mH_2O	0~1···200mH_2O
Accuracy	±0.5%F.S	±0.25%F.S、±0.1%F.S	±0.5%F.S、±1%F.S
Operating Temperature	-20~80°C	-40~80°C	-10~70℃
Output Signal	4~20mA、4~20mA+HART、 0~5VDC、RS485	4~20mA、0~10VDC、 0~5VDC、RS485	4~20mA、0~10V、RS485
Protection Grade	IP68	IP68	IP68

PRODUCT PARAMETERS

Temperature&Pressure Transmitter

Temperature&Level Transmitter

High Accuracy Temperature& Pressure Transmitter

MODEL	LFT3100	LFT3200	LFT3300
Medium	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	gas and liquid compatible with 304and 316L stainless steel,Viton or nitrile rubber
Measuring Range	0~10kPa...70MPa	0~1...200mH_2O	Pressure:0~10kPa...10MPa Temperature:-20~100℃(PT-100)
Accuracy	Pressure:±0.5%F.S Temperature:±2%F.S	Pressure:±0.5%F.S Temperature:±2%F.S	Pressure:±0.25%F.S/±0.5%F.S Temperature:±0.5℃
Operating Temperature	-20~85°C	-20~85°C	-20~85℃
Output Signal	4~20mA、0.5~4.5V、RS-485	4~20mA、0.5~4.5V、RS-485	4~20mA、0~10V、0~5V、0.5~4.5V、RS485
Protection Grade	IP54(GX12)、IP65(big Hirschmann, M12 water-proof、M12 aviation	IP68	IP54(GX12)、IP65(DIN43650A、M12 water-proof、M12 aviation)

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	0~1...200mH_2O	-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°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		2 AAA batteries
Protection Grade	IP65	IP65	/

PRODUCT PARAMETERS

Explosion-proof Pressure Transmitter

Intrinsically Safe Pressure Transmitter

Firefighting Pressure Transmitter

MODEL	LFT6200	LFT6210	LFT6710
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	gas or liquid compatible with 304 stainless steel
Measuring Range	-100kPa...0~5kPa...60MPa	-100KPa...0~10kPa...60MPa	0~10...60MPa
Accuracy	±0.5%F.S(-100kPa...0~5kPa...60MPa) ±0.25%F.S(-100kPa...0~10kPa...60MPa)	0.1%F.S，0.25%F.S，0.5%F.S	0.5%F.S
Operating Temperature	-20~80°C	Intrinsically safe:-40~60°C, Ordinary type:-40~80°C; Relative humidity:<90%; Atmospheric pressure:80-110kPa	-10~60°C
Output Signal	4~20mA、4~20mA+HART、0~10V、RS-485	4~20mA(Two-wire)	RS-485
Protection Grade	IP67	IP67	IP67

Digital Display Pressure Transmitter

Water Pressure Transmitter

MODEL	LFT6800		LFT221
Medium	gas or liquid compatible with 304 and 316L, Viton or Nitrile rubber	gas or liquid compatible with Alumina ceramic, 304, fluorine rubber or nitrile rubber	fluid that non-corrosive to PA66, ceramic, and EPDM
Measuring Range	-100kPa...0~5kPa...60MPa (oil-filled silicone)	-100kPa~0.3MPa...60MPa (ceramic)	0~1MPa(normal pressure range)
Accuracy	±1.0%F.S;±0.5%F.S	±1.0%F.S	±2.0%F.S
Operating Temperature	-20~75°C		0℃~60℃
Output Signal	4~20mA、0~10V、RS485	4~20mA、0~10V	0.5~4.5V (proportional voltage output)
Protection Grade	IP54		IP65

LOW DIFFERENTIAL PRESSURE TRANSMITTERS

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

Economical Differential Pressure Transmitter

Differential Pressure Transmitter/Air Velocity Transmitter

Differential Pressure Transmitter

MODEL	LFM108	LFM109	LFM11
Medium	air or neutral gas	air or neutral gas	air or neutral gas
Measuring Range	±100Pa, ±1000Pa, ±10000Pa	0~10000Pa,0~120m/s	±100Pa, ±1000Pa, ±10000Pa
Accuracy	±1%F.S	±3%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	0~5V/0~10VDC、4~20mA	4-20mA(without backlight)、0~5V、0~10VDC、RS485、0~10VDC&RS485、4~20mA&0~5/10VDC
Protection Grade	IP54	IP54	IP54

Differential Pressure Transmitter/Controller

Differential Pressure Transmitter

High Accuracy Differential Pressure Transmitter

MODEL	LFM33	LFM52	LFM53
Medium	air or neutral gas	air or neutral gas	air or neutral gas
Measuring Range	±100Pa, ±1000Pa, ±10000Pa	±100Pa, ±1000Pa, ±10000Pa	±25Pa, ±50Pa, ±100Pa
Accuracy	±1%F.S	±1%F.S	±25Pa ±1Pa、±50Pa ±1%F.S、±100Pa ±0.5%F.S
Operating Temperature	-10°C~60°C	-20°C~70°C	-20°C~70°C
Output Signal	4~20mA&0~10V、RS485	4~20mA(without backlight)、0~5VDC/0~10VDC、RS485、4~20mA&0~10VDC	RS485、4~20mA/0~10VDC
Protection Grade	IP65	IP65	IP65

LEFOO

PRODUCT PARAMETERS

Embedded Differential Pressure Transmitter(SS Panel)

Atmosphere Pressure Transmitter

Multifunctional DP Transmitter/Controller

MODEL	LFM55	LFM57	LFM73
Medium	dry air or neutral gas	air (non-condensing)	air or neutral gas
Measuring Range	±100Pa	15kPa~130kPa	±100Pa、±1000Pa、±10000Pa
Accuracy	±1Pa	±0.25%F.S	±1%F.S
Operating Temperature	-20°C~70°C	-20°C~70°C	-20°C~80°C
Output Signal	RS485、4~20mA/0~10VDC dual output	4~20mA、0~10VDC、RS485	4~20mA(3-wire)/0~10V/RS485
Protection Grade	IP30	IP65	IP65

Intrinsically Safe Differential Pressure Transmitter

Explosion-proof DP Transmitter(dual output)

Explosion-proof DP Transmitter(single output)

MODEL	LFM751	LFM76	LFM77
Medium	air or neutral gas	air or neutral gas	air or neutral gas
Measuring Range	±100Pa、±1000Pa、±10000Pa	±100Pa ~ ±10000Pa (range can be customized)	±100Pa ~ ±10000Pa (range can be customized)
Accuracy	±0.5%F.S(±1000Pa,±10000Pa) ±1%F.S(±100Pa)	±1.0%FS	±1.0%FS
Operating Temperature	-20°C~70°C	-20℃ ~ 70℃	-20℃ ~ 70℃
Output Signal	4~20mA(2-wire)	4 ~ 20mA/RS485 4 ~ 20mA/0 ~ 10VDC 0 ~ 10VDC/RS485	4 ~ 20mA/0 ~ 10VDC/RS485
Protection Grade	IP65	IP65	IP65

TEMPERATURE&HUMIDITY/ TEMPERATURE TRANSMITTERS

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

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 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 Mount 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℃&20~80%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

Intrinsically Safe Temperature & Humidity Transmitter

MODEL	LFH70		LFH71	
Type	Relative humidity	Temperature	Relative humidity	Temperature
Measuring Range	0~100%	-40~180℃	0~100%	0~50℃，-20~60℃ etc.
Accuracy	≤90%RH@20℃±2%RH >90%RH@20℃±2.3%RH	±0.2℃@20℃	±3%@20℃&20~80%RH	±0.3℃@20℃
Output Mode	4~20mA，0~10VDC， RS485/Modbus optional	4~20mA，0~10VDC， RS485/Modbus optional	4~20mA(two wire)	4~20mA(two wire)
Working Environment	operating temperature range of electronic components (with LCD display)，-20~60℃		T4: -40℃~80℃；T6: -40℃~60℃， 5%~95%RH(non-condensing)	
Protection Grade	IP65		IP65	

Embedded Temperature & Humidity Transmitter

MODEL	LFH75	
Type	Relative humidity	Temperature
Measuring Range	0~100%	0~50℃，-20~60℃ etc.
Accuracy	±2%@20℃&20~80%RH	±0.2℃@10~30℃
Output Mode	4~20mA，0~10VDC， RS485/Modbus optional	4~20mA，0~10VDC， RS485/Modbus optional
Working Environment	-20~60℃，5%-95%RH(non-condensing)	
Protection Grade	Front panel: IP65 after installation; Probe: IP65 (stainless steel sintered and H_2O_2 filter); IP30 (metal U-groove filter)	

PRODUCT PARAMETERS

Temperature Transmitter

Armored Temperature Transmitter

	LFW10	LFW20
	liquid or gas, etc. (compatible with contact materials)	liquid or gas, etc. (compatible with contact materials)
	0~50℃，-20~60℃ etc.	-50~300℃ etc.
	0.2~0.5°C@0/25℃(thermal resistance) ±0.3°C@25℃	0.25%FS、0.5%FS
	4~20mA/0-10V/0-5V/thermal resistance	4~20mA/0-10V/RS485/ PT100/PT1000
	-40~70℃，0~95%RH(non-condensing)	-40~85℃，0~95%RH(non-condensing)
	IP65	IP65

Integrated Temperature Transmitter

Explosion-proof Temperature Transmitter

MODEL	LFW21	LFW70
Type	liquid or gas, etc. (compatible with contact materials)	liquid or gas, etc. (compatible with contact materials)
Measuring Range	-50~300℃ etc.	-50~300℃ etc.
Accuracy	0.25%FS、0.5%FS	0.25%FS、0.5%FS
Output Mode	4~20mA、0-10V、RS485、PT1000、PT100	4~20mA、HART、0-10V、RS485
Working Environment	-40~85℃，0~95%RH(non-condensing)	-40~85℃，0~95%RH(non-condensing)
Protection Grade	IP65(without display)，IP54(with display)	IP66

GAS DETECTING TRANSMITTERS

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 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

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	IP65	Shell IP65 / Probe IP30

LEFOO

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℃
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/m³,particle size 0.3~2.5μm PM10:0~600μg/m³,particle size 0.3~10μm
Accuracy	±0.5℃@20℃;≤±1℃@0~50℃	±3%RH@20℃&20~80%RH	PM2.5:±10μg/m³@0~100μg/m³, ±10%FS@100~500/600μg/m³,@25℃
Type	CO_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)	±(0.04m/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

Air Velocity Transmitter

MODEL	LFS20
Medium	Air or neutral gas
Measuring Range	0-10m/s，0-30m/s(Range adjustable via DIP switches)，0-120m/s (Other measuring ranges can be customized)
Accuracy	±3.0%FS（wind speed＞3m/s）
Operating Temperature	body：-20℃～70℃；probe：-40℃～450℃
Output Signal	4~20mA(No backlight)、0~10VDC、RS-485、4~20mA&0~10VDC
Protection Grade	IP65

LEFOO

PRODUCT PARAMETERS

Explosion-proof Air Velocity Transmitter (single output)

Explosion-proof Air Velocity Transmitter (dual output)

MODEL	LFS71	LFS72
Medium	Air or neutral gas	Air or neutral gas
Measuring Range	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)
Accuracy	±3.0%FS(wind speed＞3m/s)	±3.0%FS(wind speed＞3m/s)
Operating Temperature	body：-20℃～70℃；probe：-40℃～450℃	body：-20℃～70℃；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
Explosion-proof Grade	Ex db IIC T6 Gb	Ex db IIC T6 Gb

Explosion-proof&High-temperature Integrated Air Velocity/Air Volume Transmitter

MODEL	LFS73
Medium	Air or neutral gas
Measuring Range	Air velocity：0～30m/s(range can be adjusted between 5 ～ 30m/s)，0～100m/s(range can be adjusted between 35 ～ 100m/s)；Air volume：customized air volume (Max. 99999m³/h)
Accuracy	±3.0%FS(wind speed＞3m/s)
Operating Temperature	body：-20℃～70℃；probe：-40℃～450℃
Output Signal	4~20mA、0~10VDC、RS-485
Protection Grade	IP65
Explosion-proof Grade	Ex db IIC T6 Gb

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

Digital Pressure Switch

MODEL	LFDS62	LFDS63
Medium	gas or liquid compatible with alumina ceramic, nylon, fluoroelastomer or nitrile rubber	gas or liquid compatible with alumina ceramic, nylon, fluoroelastomer or nitrile rubber
Pressure Range	0~10Bar、0~16Bar	Vacuum Type (negative pressure): -101~0kPa Medium Pressure Type: 0~1...5MPa
Accuracy	±1%F.S	±1%F.S
Working Environment	-10℃~50℃	-10℃~50℃
Output Mode	AC output, the output voltage is consistent with the power supply voltage	Single AC output (active charge), single switch output
Protection Grade	IP55	IP54

Digital Pressure Switch

Pressure Switch Transmitter

MODEL	LFDS65	LFDS68
Medium	Vacuum Type (negative pressure): non-corrosive dry gas. Positive Pressure Type: gas or liquid compatible with alumina ceramic, copper, fluorine rubber or nitrile rubber	Liquids and gases compatible with wetted materials
Pressure Range	Vacuum Type (negative pressure): -101~0kPa Positive Pressure Type: 0~2.0MPa	Gauge:-100kPa...0~10kPa...60MPa Absolute:0~10kPa...10MPa
Accuracy	±1%F.S	±0.5%F.S
Working Environment	-10℃~50℃	-40~70°C(LED Display), -20~60°C(LCD Display)
Output Mode	relay output, AC output	4~20mA、4~20mA+2 electronic switches、4~20mA+1 relay switch
Protection Grade	IP54	IP65

SMART PRESSURE/DIFFERENTIAL PRESSURE TRANSMITTERS

PRODUCT OVERVIEW

LEFOO Smart Pressure/Differential Pressure Transmitters adopt monocrystalline silicon sensor chips manufactured with advanced German MEMS technology, and incorporate a built-in temperature compensation component. They deliver extremely high measurement accuracy and long-term stability over a wide range of static pressure and temperature variations. These transmitters are designed to measure the liquid level, density, and pressure of liquids, gases, or steam, and are widely used in numerous fields such as industrial process control, automated manufacturing, aerospace, automotive and marine industries, petrochemical industry, electronic power, and medical and health care.

PRODUCT PARAMETERS

Pressure Transmitter

Flush Diaphragm Pressure Transmitter

MODEL	LFT700	LFT701
Diaphragm	316L, Hastelloy C, Tantalum	316L, Hastelloy C, Tantalum
Measuring Range	0-100kPa~250kPa(0-10~25mH$_2$O)/(0-1~2.5bar)(absolute pressure) 0-0.1MPa~1MPa(0-10~100mH$_2$O)/(0-1~10bar)(absolute pressure) 0-0.1MPa~3MPa(0-10~300mH$_2$O)/(0-1~30bar)(absolute pressure) 0-600Pa~6kPa(0-60~600mmH$_2$O)/(0-6~60mbar) 0-4kPa~40kPa(0-400~4000mmH$_2$O)/(0-40~400mbar) 0-25kPa~250kPa(0-2.5~25mH$_2$O)/(0-250~2500mbar) 0-100kPa~1MPa(0-10~100mH$_2$O)/(0-1~10bar) 0-300kPa~3MPa(0-30~300mH$_2$O)/(0-3~30bar) 0-1MPa~10MPa(0-100~1000mH$_2$O)/(0-10~100bar)	0-4kPa~40kPa(0-400~4000mmH$_2$O)/(0-40~400mbar) 0-25kPa~250kPa (0-2.5~25mH$_2$O)/(0-250~2500mbar) 0-100kPa~1MPa(0-10~100mH$_2$O)/(0-1~10bar) 0-300kPa~3MPa(0-30~300mH$_2$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、RS485	4~20mA、4~20mA+HART、RS485
Protection Grade	IP65	IP65

Clamp Type Pressure Transmitter

Flange Pressure Transmitter

MODEL	LFT703	LFT705
Diaphragm	316L, Hastelloy C, Tantalum	316L, Hastelloy C(not available for insertion tube type), Tantalum(not available for insertion tube type)
Measuring Range	0-4kPa~40kPa(0-400~4000mmH$_2$O)/(0-40~400mbar) 0-25kPa~250kPa (0-2.5~25mH$_2$O)/(0-250~2500mbar) 0-100kPa~1MPa(0-10~100mH$_2$O)/(0-1~10bar) 0-300kPa~3MPa(0-30~300mH$_2$O)/(0-3~30bar)	0-10kPa~40kPa(0-1000~4000mmH$_2$O)/(0-100~400mbar) 0-25kPa~250kPa(0-2.5~25mH$_2$O)/(0-250~2500mbar) 0-100kPa~1MPa(0-10~100mH20H$_2$O)/(0-1~10bar) 0-300kPa~3MPa(0-30~300mH$_2$O)/(0-3~30bar) 0-1MPa~10MPa(0-100~1000mH$_2$O)/(0-10~100bar)
Accuracy	±0.075%F.S.	±0.2%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、RS485	4~20mA、4~20mA+HART、RS485
Protection Grade	IP65	IP65

LEFOO

PRODUCT PARAMETERS

Smart Differential Pressure Transmitter

Single Flange Differential Pressure Transmitter

MODEL	LFT710	LFT715
Diaphragm	316L, Hastelloy C, Tantalum	316L, Hastelloy C(not available for insertion tube type), Tantalum(not available for insertion tube type)
Measuring Range	0-600Pa~6kPa (0-60~600mmH_2O)/(0-6~60mbar) 0-400Pa~40kPa (0-40~4000mmH_2O)/(0-4~400mbar) 0-2.5kPa~250kPa (0-0.25~25mH_2O)/ (0-25~2500mbar) 0-10kPa~1MPa(0-1~100mH_2O)/(0-0.1~10bar) 0-30kPa~3MPa (0-3~300mH_2O)/(0-0.3~30bar)	0-10kPa~40kPa(0-1000~4000mmH_2O)/(0-100~400mbar) 0-25kPa~250kPa(0-2.5~25mH_2O)/(0-250~2500mbar) 0-100kPa~1MPa(0-10~100mH_2O)/(0-1~10bar) 0-300kPa~3MPa(0-30~300mH_2O)/(0-3~30bar)
Accuracy	±0.075%F.S.	±0.2%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、RS485	4~20mA、4~20mA+HART、RS485
Protection Grade	IP65/IP67	IP65/IP67

Double Flange Differential Pressure Transmitter

MODEL	LFT720
Diaphragm	316L, Hastelloy C(not available for insertion tube type), Tantalum(not available for insertion tube type)
Measuring Range	0-10kPa~40kPa(0-1000~4000mmH_2O)/(0-100~400mbar) 0-25kPa~250kPa(0-2.5~25mH_2O)/(0-250~2500mbar) 0-100kPa~1MPa(0-10~100mH_2O)/(0-1~10bar) 0-300kPa~3MPa(0-30~300mH_2O)/(0-3~30bar)
Accuracy	±0.2%F.S.
Working Environment	-20~70℃ with display, 5-100%RH@40℃
Output Signal	4~20mA、4~20mA+HART、RS485
Protection Grade	IP65/IP67

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
Accuracy	0.5%	1.5%
Output Signal	4-20mA、HART、RS485	4-20mA、HART、RS485
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

Insertion Electromagnetic Flowmeter

MODEL	LFLWGY	LFLLD
Nominal Diameter	4-300mm	300-3000mm
Max Flow	10m/s	10m/s
Nominal Pressure	10MPa、6.3MPa、2.5MPa、1.6MPa	1.6MPa、2.5MPa
Accuracy	1.0%	0.5~10m/s:±1.5%FS; 0.1~0.5m/s:±2.0%FS; 0.1~10m/s:±2.5%FS
Output Signal	4-20mA、HART、RS485	4-20mA; RS485; HART
Environment Temperature	-10℃~60℃	-10℃~60℃
Material	Flange Material:Carbon steel, stainless steel(304, 316, 316L)	Sensor material:stainless steel(201)
Protection Grade	IP65	IP65(integrated/split type),IP68(split type)

ULTRASONIC LEVEL METER

PRODUCT OVERVIEW

LEFOO Ultrasonic Level Transmitters adopt adaptive intelligent algorithms. Equipped with patented acoustic intelligent software, they can resist various interference waves and are suitable for various working conditions such as acid, alkali, salt, anti-corrosion, and high-temperature environments.These transmitters feature safety, cleanliness, high precision, long service life, stability and reliability, as well as easy installation and maintenance. All input and output wires of the instrument are equipped with lightning protection and short-circuit protection functions.They are widely used in scenarios including liquid level tanks, urban pipe networks, rivers and reservoirs, as well as sewage/sedimentation/reaction tanks.

PRODUCT PARAMETERS

Integrated Ultrasonic Level Meter

Split-type Ultrasonic Level Meter

Small Blind Zone High-precision Ultrasonic Level Meter

MODEL	LFUD101	LFUD102	LFUD103
Range	0~3...30m	0~3...30m	0~3m
Blind Zone	0.25m~0.8m	0.25m~0.8m	0.1m
Accuracy	±0.5%	±0.5%	±0.15%
Resolution	1mm	1mm	1mm
Output	4~20mA(2-wire) 4~20mA+RS485+2 relay outputs	4~20mA(2-wire) 4~20mA+RS485+2 relay outputs	4~20mA(2-wire) 4~20mA+RS485+2 relay outputs
Protection Grade	IP65	IP65	IP65

Ultrasonic Differential Level Meter

Ultrasonic Open Channel Flow Meter

Ultrasonic Sludge-water Interface Level Meter

MODEL	LFUD105	LFUD106	LFUD107
Range	0~3...25m	0~100,000L/s	0~3...30m
Blind Zone	0.25~0.8m	0.25~0.8m	<0.5m
Accuracy	±0.5%	±0.5%	±0.5%
Resolution	1mm	1mm	1mm
Output	2*4~20mA+RS485+2 relay outputs	4~20mA+RS485	4~20mA+RS485+2 relay outputs
Protection Grade	IP65	Transmitter IP65, probe IP68	Transmitter IP65, probe IP68