

## LFT3000 Throw-in Type Liquid Level Pressure Transmitter

### FEATURES

- Adopt oil-filled diffusion silicon core with high precision and high overload capacity
- Excellent anti-corrosion and anti-wear performance
- Built-in temperature compensation, compatible Modbus-485 communication protocol (intelligent)
- Top stainless steel cap protects sensing film from damage, also removable for easy clean
- The top sensor adopts a double-layer waterproof structure, the better waterproof effect



### DESCRIPTION

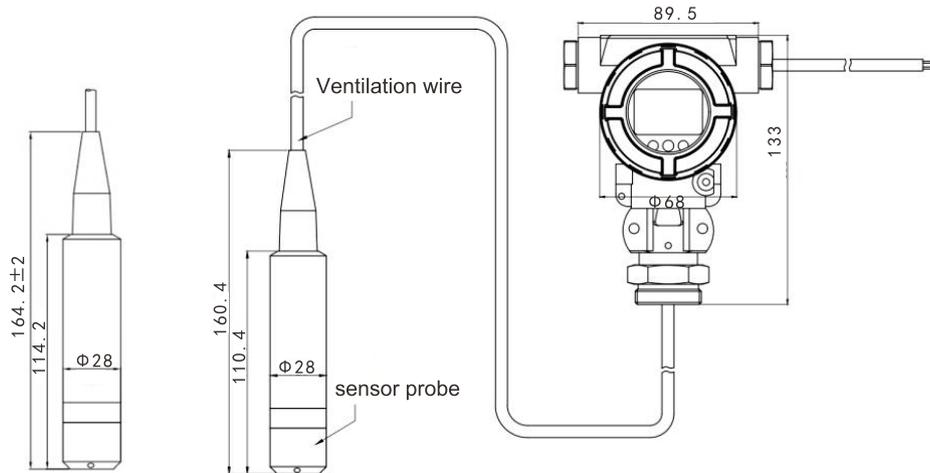
LFT3000 liquid transmitter uses a high-performance pressure sensor as the measuring element to accurately measure the liquid level depth and convert it into a standard output signal through a special signal conditioning circuit to establish a linear correspondence between the output signal and the liquid depth, to achieve accurate measurement of liquid depth. The product has high precision, small size and convenient use. It can measure the liquid level height from the end of the transmitter to the liquid surface when it is directly put into the liquid. It is suitable for water level or liquid level measurement and control in the fields of petroleum, chemical industry, power plant, urban water supply, and hydrological exploration.

### SPECIFICATION

Measurement Range	0~0.5...200mH <sub>2</sub> O				
Overload Pressure	1.5 times of rated pressure				
Accuracy <sup>①</sup>	±0.5%F.S				
Stability	<0.5%F.S/year				
Working Temp	-20~85°C				
Storage Temp	-40~100°C				
Measured Medium	Liquid compatible with 304/316L stainless steel, PE, PVC, Fluorine rubber or Nitrile rubber				
Throw-in type Liquid Level Pressure Transmitter					
Electrical Performance	2-wired	2-wired Voltage			4-wired
Output Signal	4~20mA	0.5~4.5V	0~5V	0~10V	RS-485
Power Supply	8~36VDC	4.75~5.25VDC	8~36VDC	12~36VDC	10~30VDC
Digital display throw-in type liquid level pressure transmitter					
Electrical Performance	2-wired	3-wired		4-wired	
Output Signal	4~20mA	0~10V		RS-485	
Power Supply	10~30VDC	14~36VDC		10~36VDC	
Electrical Connection	cable outlet				
Pressure Connection	Throw-in type				
Enclosure Protection	IP68				
Pressure Form	Gauge Pressure G				
Certification c	Safety explosion-proof type E, ROHS, EU electrical safety standards CE				

① Measured at 25°C with combined accuracy of linearity, repeatability and hysteresis.

## DIMENSION (mm)



## ORDER REF NO.

Code and Description		Remark
LFT3000		Model
Range	0~0.5...200mH <sub>2</sub> O	Measurement Range
A4	A4 = 4~20mA (2-wired)	Output Mode
V05	V05 = 0.5~4.5V(3-wired)	
V0	V0 = 0~5V(3-wired)	
V10	V10 = 0~10V(3-wired)	
RS	RS = RS-485	
M	M=Meter	Measurement Unit
CM	CM = Centimeter	
0.5	0.5 = 0.5%F.S	Accuracy Grade
M	M = Cable Outlet	Electrical Connection
N	Without display	Display Mode
D2	D2=Explosion-proof digital display	
1.0	1.0 = 1m	Cable Length
2.0	2.0 = 2m	
LFT3000 0-200 A4 M 0.5 M N 1.0		Selection Example