

# LFT3200 Throw-in Type Temperature and Pressure Integrated Liquid Level Transmitter

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## Product Features

- Adopt oil-filled diffusion silicon core with high precision and high overload capacity
- Temperature and pressure dual output, compact structure, saving installation space
- Support Modbus-485 communication protocol (intelligent type)
- The temperature sensitive element and the pressure sensitive element are packaged as a whole, which is closer to the temperature of the medium



## Overview

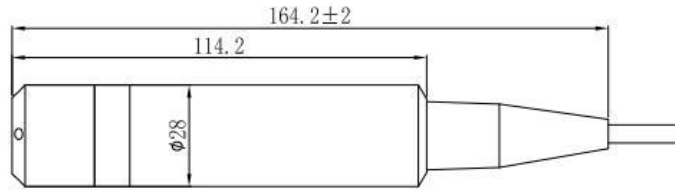
Adopt advanced piezoresistive pressure sensor and PT-100 temperature sensor, converted into standard (current or voltage) signal output by a dedicated signal conditioning circuit, with advanced digital temperature compensation, wide operating temperature range, full output signal, can meet customer requirements, suitable for crude oil, food, water treatment systems, to achieve pressure and temperature monitoring.

## Technical Parameters

Pressure Range	0~200mH <sub>2</sub> O		
Temperature Range	-20~100℃, PT-100		
Overload pressure	1.5 times of the rated pressure		
Accuracy	Pressure: ±0.5%F.S, Temperature: ±2%F.S		
Stability	<0.5%F.S/year		
Working Temperature	-20~+85℃		
Storage Temperature	-40~+100℃		
Measured Medium	Gas or liquid compatible with 304 and 316L stainless steel, PE, PVC, fluorine rubber or nitrile		
Electrical Performance	Two-wired system	Three-wired system	Four-wired system
Output Signal	4~20mA	0.5~4.5V	RS485
Power Supply	10~30VDC	4.75~5.25VDC	10~30VDC
Electrical connections	M14 waterproof cable		
Enclosure Rating	IP68		
Pressure Interface	M20*1.5		
Pressure Form	Gauge Pressure G		
Certification items	Safety explosion-proof type E, RoHS, EU electrical safety standards CE		

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## Dimensions



## Electrical connections

Output type	Outline drawing	Current two-wired system		Voltage three-wired system		RS485	
M14 Waterproof connector		Pressure power +	Red wire	Power+	Red wire	Power+	Red wire
		Pressure signal+	Black wire	Pressure signal+	Yellow wire	A	Yellow wire
		Temp power +	Yellow	Temp power+	Blue wire	B	Blue wire
		Temp signal+	Blue	Power -	Black	Power-	Black wire

## Selection instructions

Code and description		Remark							
LFT3200		Model							
Pressure Range	0~200mH <sub>2</sub> O	Measuring Range							
Temp Range	-20~100℃								
A4	A4 = 4~20mA (Two-wired system)	Output Mode							
V05	V05 = 0.5~4.5V (Three-wired system)								
RS	RS=RS-485								
M	M = Meter	CM	CM = Centimeter	Measuring Unit					
0.5	0.5 = 0.5%F.S			Accuracy					
M	M = M14 (M14 waterproof cable)			Electrical connections					
	M = M20*1.5/drop in			Pressure Interface					
	1.0	1.0 = 1m		Cable length					
	2.0	2.0 = 2m							
	3.0	3.0 = 3m							
LFT3200	0-200	-20~100℃	A4	M	0.5	M	M	1.0	Selection example