

FEATURES

- Adopt oil-filled diffusion silicon core with high precision and high overload capacity.
- Temperature and pressure dual output, compact structure, saving installation space.
- The probe is inserted into the medium for measurement, with high temperature accuracy.



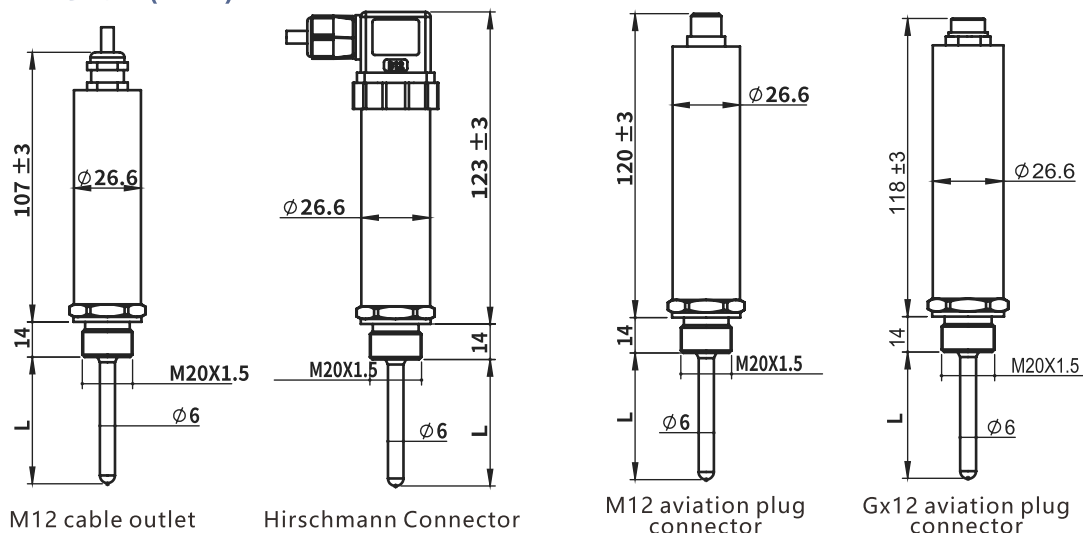
DESCRIPTION

LFT3300 temperature and pressure integrated transmitter adopts advanced piezoresistive pressure sensor and PT-100 temperature sensor, which is converted into a standard output signal through a special signal conditioning circuit. It has the advantages of advanced temperature digital compensation, wide operating temperature range and full output signals. It is suitable for the monitoring of pressure and temperature in crude food and water treatment systems.

SPECIFICATION

Pressure Range	0~10kPa...10MPa				
Temperature Range	-20~100℃(PT-100)				
Overload Pressure	1.5 times of the rated pressure				
Pressure Accuracy	±0.5%F.S(0~10kPa...10MPa)				
	±0.25%F.S(0~100kPa...10MPa)				
Temperature Accuracy	±0.5℃				
Stability	<0.5%F.S/year				
Working Temp	-20~85℃				
Storage Temp	-40~100℃				
Measured Medium	Gas or Liquid Compatible with 304 or 316L Stainless Steel, Fluorine rubber or Nitrile rubber				
Output Signal	4 ~ 20mA	0 ~ 10V	0 ~ 5V	0.5 ~ 4.5V	RS-485
Power Supply	10 ~ 30VDC	12 ~ 30VDC	10 ~ 30VDC	4.75 ~ 5.25VDC	10 ~ 30VDC
Electrical Connection	DIN43650A(Big hirschmann), M12 waterproof outlet, GX12 aviation connector four core), M12 four core aviation connector				
Enclosure Protection	IP54(GX12 aviation connector)、IP65(DIN43650A, M12 waterproof outlet, M12 four-core aviation connector)				
Pressure Connection	M20*1.5 external thread, G1/2 external thread				
Pressure Form	Gauge pressure G / Absolute pressure A				

DIMENSION(mm)



ORDER REF NO.

Code and description											Remark
LFT3300											Model
	Pressure Range	0~10kPa...10MPa									Pressure Range
		K	K=kPa					B	B=Bar		Pressure Unit
		M	M=MPa					P	P=psi		
			0.5	0.5=±0.5%F.S(The pressure range is within 0~10kPa...10MPa)							Pressure Accuracy
			0.25	0.25=±0.25%F.S(The pressure range is within 0~100kPa...10MPa)							
				-20~100℃							Temperature Range
				0~100℃							
				0~50℃							
				Customized range (range high point-low point ≥50℃)							
				0.5	0.5=±0.5℃						Temperature Accuracy
					A4	A4=4~20mA					Output Mode
					V10	V10=0~10V					
					V0	V0=0~5V					
					V05	V05=0.5~4.5V					
					RS	RS=RS-485					
					D1	D1=DIN43650A(Big Hirschmann)					Electrical Connection
					M	M=M12(M12 Waterproof cable outlet)					
					C4	C4=GX12 four core aviation connector					
					H	H=M12 four core aviation connector					
					G2	G2=G1/2 external thread					Pressure Connection
					M20	M2=M20*1.5 external thread					
						1.0	1.0=1m				Cable Length
						2.0	2.0=2m				
						3.0	3.0=3m				
							L30	L30=30mm			Probe Length
							L50	L50=50mm			
							L100	L100=100mm			
							L150	L150=150mm			
							L200	L200=200mm			
							L300	L300=300mm			
LFT3300	0~10	B	0.5	0~50	0.5	A4	M	M20	1.0	L50	Selection Example

Model: LFT3300; Pressure Range: 0~10; Pressure Unit: Bar; Pressure Accuracy: ±0.5%F.S; Temperature Range: 0~50℃; Temperature Accuracy: ±0.5℃; Output Mode: 4~20mA; Electrical Connection: M12 Waterproof cable outlet; Pressure Connection: M20*1.5 external thread; Cable Length: 1m; Probe Length: 50mm