

**Features:**

- Adopt high accuracy & high overload capacity oil-filled diffusion silicon core
- Adopt special temperature compensation technology
- Excellent corrosion and abrasion resistance
- Suitable for a variety of complex environments

**Description**

This transmitter adopts piezoresistive pressure sensor, and through the computer automatic test, the laser resistance adjustment process is used to compensate the zero and temperature performance in a wide temperature range. The model has high precision, high quality, small size and easy installation. Adopt low power consumption with high performance MCU, the pressure signal acquisition and conversion to the standard analog signal output. It's widely used in firefighting, water treatment, water supply system, air compressor, pneumatic device, industrial automation and other high-precision test system of fluid medium pressure measurement.

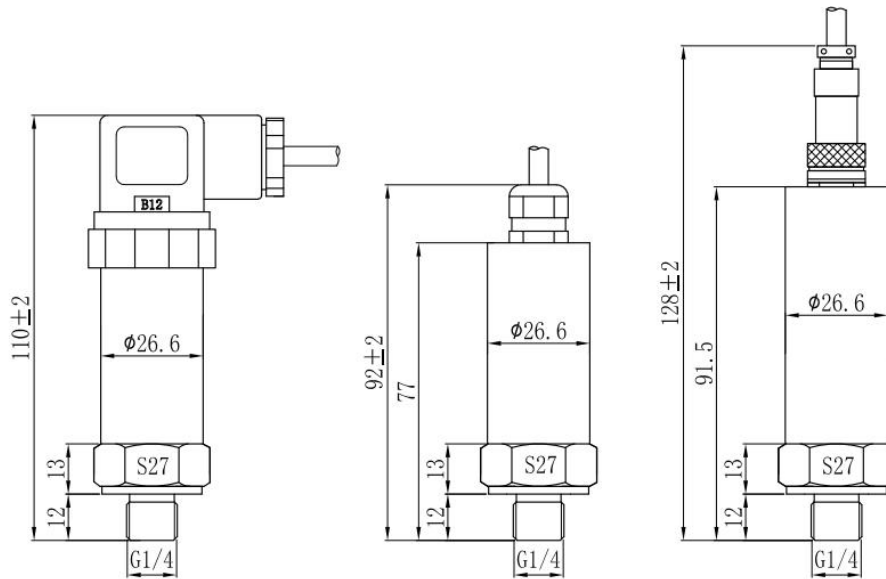
**Specification**

Range	0~0.1...7MPa	0~0.1...4MPa		
Overload Pressure	1.5 times full scales	1.5 times full scales		
Accuracy	±0.25%F.S	±0.1%F.S @25°C		
Stability	<0.2%F.S/Year	<0.1%F.S/Year		
Working Temperature	-20~+85°C	-20~+85°C		
Storage Temperature	-40~+100°C	-40~+100°C		
Compensated Temperature	-10~+70°C			
Medium	All Gas or liquid compatible with 304 and 316L stainless steel, fluorine rubber or nitrile butadiene rubber			
Electrical Properties	Two-wired	Three-wired		Four-wired
Output Signal	4~20mA	0~5V1	0~10V2	RS485
Power Supply	10~30VDC	10~30VDC	14~30VDC	10~30VDC
Electrical Connection	DIN43650A (Big Hirschmann), M12 waterproof outlet, M12 aviation connector (3-core / 4-core)			
Protection	IP65/IP67			
Pressure connection	G1/4、NPT1/4、R1/4、G1/2、7/16-20UNF、M20*1.5、M10*1、M14*1.5 etc.			
Pressure Form	Gauge pressure G			
Certification	Safety explosion-proof type E、RoHS、REACH、EU electrical safety standards			

**Remark 1:** When "Accuracy" level is 0.1%F.S, the "Output Signal" is 1-5V.

**Remark 2:** When "Accuracy" level is 0.1%F.S, the "Output Signal" is 1-10V.

Dimension



Electrical Connection

Output Model	Ref. drawing	PIN	Two-wired		Three-wired		RS485	
			Function	Color	Function	Color	Function	Color
DIN43650A Big Hirschmann		1	Power +	Red	Power +	Red	Power +	Red
		2	Signal +	Black	Signal +	Green	A	Green
		3			Power-/Signal-	Black	B	White
		⊕					Power-/Signal-	Black
M12×1.5 Waterproof connection			Power +	Red	Power +	Red	Power +	Red
			Signal +	Black	Power-/Signal-	Black	A	Green
					Signal +	Green	B	White
							Power-/Signal-	Black
M12×0.75 Four-core aviation connector		1	Power +	Red	Power +	Red	Power +	Red
		2	Signal +	Black	Power-/Signal-	Black	A	Green
		3			Signal +	Green	B	White
		4					Power-/Signal-	Black
M12×0.75 Three-core aviation connector		1	Power+	Red	Power +	Red		
		2	Signal +	Black	Power-/Signal-	Black		
		3			Signal +	Green		



Order Ref NO

Code and description		Remark	
LFT2010		Model	
	Range 0~0.1...7MPa/0~0.1...4MPa	Measurement range	
	A4 A4 = 4~20mA (Two-wired)	Output Signal	
	V0 V0 = 0~5V (Three-wired)		
	V10 V10 = 0~10V (Three-wired)		
	RS RS=RS-485 (Four-wired)		
	K K = kpa	P P = psi	Unit
	M M = Mpa	B B = bar	
	0.25 0.25 = 0.25%F.S 0.1 = 0.1%F.S		Accuracy class
	D1 D1 = DIN43650A(Big Hirschmann)		Electrical connection
	M M = M12(M12Waterproof outlet)		
	C3 Cable (C3=Three-core aviation connector, C4=Four-core aviation connector)		
	G1 G1= G1/4	G2 G2 = G1/2	Pressure connection
	N N = NPT1/4	M3 M3 = M20*1.5	
	M1 M1= M10*1	M2 M2= M12*1	
	1 1.0 = 1m		Cable length
	2 2.0 = 2m		
	3 3.0 = 3m		
	T Lost: 25℃	T0 <sup>3</sup> =-10~70℃	Compensated Temperature

LFT2010 0-70 A4 B 0.25 D1 G1 1.0 T0	Model selection example
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**Remark 3:** When “Compensated Temperature T0” is between -10~70℃ and “Measurement Range” is 0~0.4MPa...5MPa, the “Accuracy Class” is 0.25%F.S