LFT2030 High Temperature Resistance Pressure Sensor

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Features

- The cooling fin fully integrated with the core, works normally at high temperature
- Adopt ASIC technology, digital compensation
- High-performance silicon piezoresistive type oil-filled pressure core
- Excellent anti-corrosion and anti-wear performance
- Strong anti-interference, good long-term stability
- Threaded connection, easy to install

Description

LFT2030 High Temperature Pressure Transmitter adopts a high-performance silicon piezoresistive pressure sensor. The internal integrated circuit converts the sensor's millivolt signal into a standard voltage, current or frequency signal, which can be directly connected with computer interface card, control instrument, intelligent instrument or PLC, etc. For distance transmission, can adopt the current output mode. It has a small size, light weight, and all-stainless steel sealed structure, which can work in corrosive environments. The product is easy to install, has good vibration and shock resistance, widely used in process control, aviation, aerospace, automobile, medical equipment, HVAC and other fields.

Specification

Measurement Range	-100kPa…0～10kPa…60MPa				
Overload Pressure	1.5 times rated pressure				
Accuracy	±0.5%F.S				
Stability	<0.5%F.S/year				
Working Temperature	-20～+85℃				
Medium Temperature	Maximum 180℃				
Measured Medium	Gas or liquid compatible with 304 and 316L stainless steel, fluorine rubber or nitrile rubber				
Electrical Performance	Two-wired system	Three-wired system			Four-wired system
Output Signal	4～20mA	0.5～4.5V	0～5V	0～10V	RS485
Power Supply	10～30VDC	4.75～5.25VDC	10～30VDC	12～30VDC	10～30VDC
Electrical Connection	DIN43650A（Big Hirschmann），M12 waterproof cable，M12 Aviation connector（three-core/four-core）				
Enclosure Protection	IP65				
Pressure Connection	G1/4, NPT1/2, G1/2				
Pressure Form	Gauge pressure G/Absolute pressure A				
Certification	EU electrical safety standards CE				

Remark1：Measured at 25°C，the Accuracy is a comprehensive accuracy of linearity, repeatability and hysteresis.

LFT2030 High Temperature Resistant Pressure Transmitter

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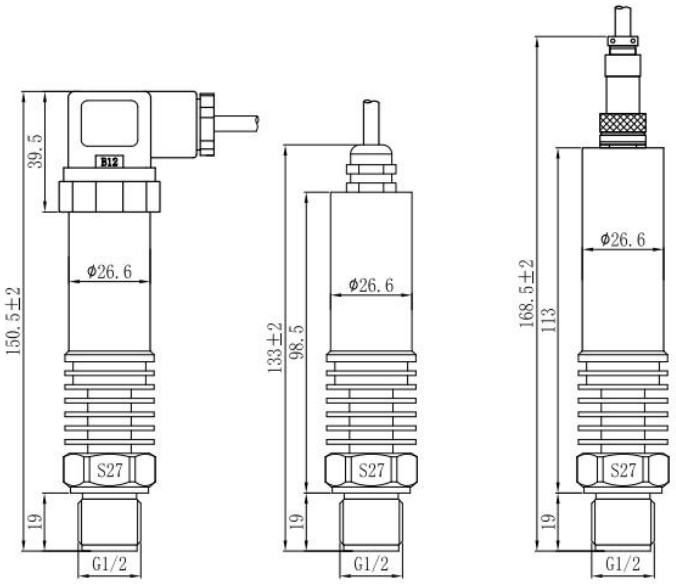
Dimension in:mm



Order Ref NO.

Code and Description								Remark
LFT2030								Model
	Range	-100kPa…0～10kPa…60MPa						Range
		A4	A4 = 4～20mA（Two-wired system）					Output Mode
		V05	V05 = 0.5～4.5V（Three-wired system）					
		V0	V0 = 0～5V（Three-wired system）					
		V10	V10 = 0～10V（Three-wired system）					
		RS	RS = RS-485 output（Four-wired system）					
			K	K = kpa	P	P = psi		Measurement Unit
			M	M = Mpa	B	B = bar		
				0.5	0.5 = 0.5％F.S 1.0=1.0％F.S			Accuracy
					D1	D1 = DIN43650A（big hirschmann connector）		Electrical Connection
					M	M = M12（M12 waterproof cable）		
					C3	Cable(C3=3-core aviation connector,C4=4-core aviation connector)		
						G	G = G1/4	G2	G2 = G1/2	Pressure Connection
						N	N = NPT1/2			
							1.0	1.0 = 1m		Cable Length
							2.0	2.0 = 2m		
							3.0	3.0 = 3m		

LFT2030	0-60	A4	B	1.0	D1	G	1.0	Model Example