

LFT2030 High Temperature Resistant Pressure Transmitter

FEATURES

- The heat sink and the core are fully combined, can work normally under high temperature
- Adopt ASIC technology, digital compensation technology
- Excellent anti-corrosion and anti-wear properties
- Strong anti-interference, good long-term stability
- Thread connection, easy to install



DESCRIPTION

LFT2030 high temperature resistant pressure transmitter adopts high-performance pressure core, and the internal special integrated circuit converts millivolt signal of the sensor into standard voltage, current or 485 signal, which can be directly connected with computer interface card, control instrument, smart instrument or PLC, etc. Long-distance transmission can use the current output method. It has the characteristics of small size, light weight, all stainless steel sealing structure, etc, and can work in corrosive environment. The product is easy and simple to install, has very good anti-vibration and anti-shock performance, and is widely applied in process control, HVAC, medical equipment and other fields.

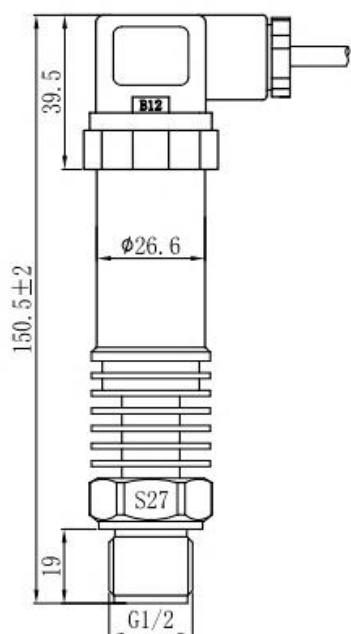
SPECIFICATION

Measurement Range	-100kPa...0~10kPa...60MPa(Oil-filled silicone)		-100kPa~0.3MPa...60MPa(ceramics)		
Overload Pressure	1.5 times of the rated pressure				
Accuracy ①	±0.5%F.S		±0.5%F.S/±1.0%F.S		
Stability	<0.5%F.S/year				
Working Temp	-20~85℃				
Medium Temp	5 pcs heat sink: 180℃, 10 pcs heat sink: 260℃				
Measured Medium	Gas or liquid compatible with S304 and 316L Fluorine rubber or Nitrile rubber		Gas or liquid compatible with 1Cr18Ni9Ti, S304 Fluorine rubber or Nitrile rubber		
High Temperature Resistant Pressure Transmitter					
Electrical Properties	2-wired	3-wired voltage			4-wired
Output Signal	4~20mA	0.5~4.5V	0~5V	0~10V	RS485
Power Supply	10~36VDC	4.75~5.25VDC	10~36VDC	12~36VDC	10~30VDC
Electrical Connection	DIN43650A (Big Hirschmann),M12 waterproof outlet,M12 aviation connector (three/four cores)				

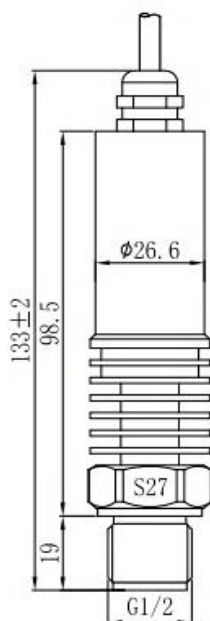
Explosion-proof Digital Display High Temperature Resistant Pressure Transmitter			
Electrical Properties	2-wired	3-wired	4-wired
Output Signal	4~20mA	0~10V	RS485
Power Supply	10~30VDC	14~36VDC	10~36VDC
Electrical Connection	Direct cable outlet		
Enclosure Protection	IP65		
Pressure Connection	G1/4、NPT1/2、G1/2		
Pressure Form	Gauge Pressure G/Absolute Pressure A		
Certification	RoHS, EU electrical safety standard CE		

①Measured at 25℃, including the comprehensive accuracy of linearity, repeatability and hysteresis.

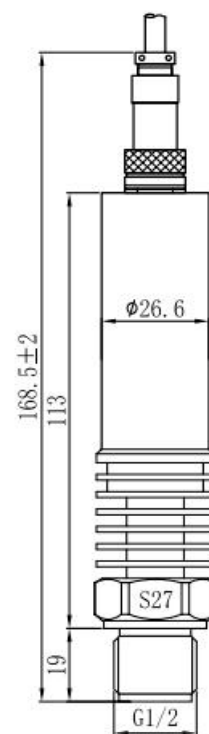
DIMENSION (mm)



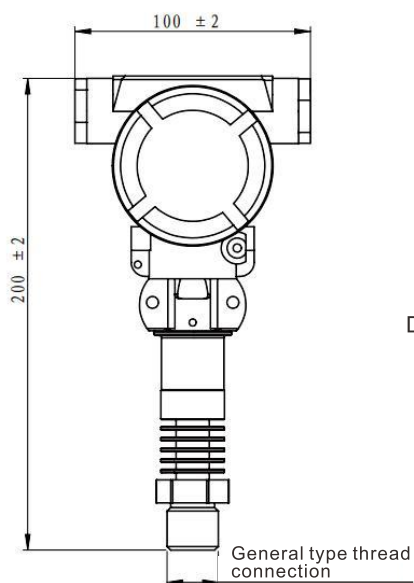
5 pcs Heat sink +
Hirschmann connector



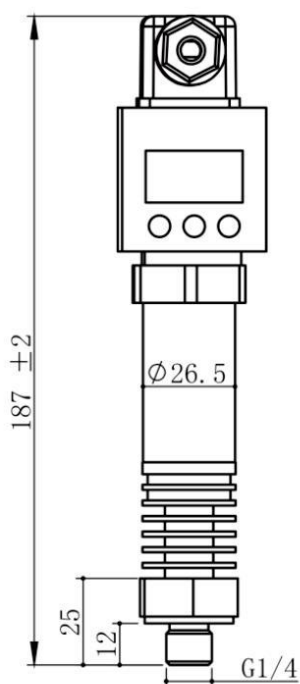
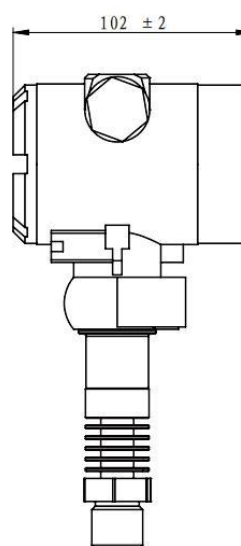
5 pcs Heat sink +
M12 direct cable outlet



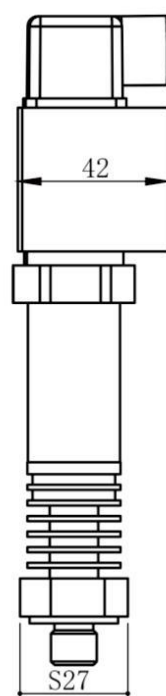
5 pcs Heat sink +
GX12 aviation connector



Explosion-proof
Digital Display Model



High Temperature Resistant
Digital Display Model



ORDER REF NO.

Code and description										Remark		
LFT2030										Model		
	Range	-100kPa...0~10kPa-...-60MPa								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-485output(4-wired)										
	K	K = kPa				P	P = psi			Measurement Unit		
	B	B = Bar				M	M = MPa					
		0.5	0.5 = 0.5%F.S								Accuracy	
		1.0	1.0 = 1.0%F.S									
		D1	D1 = DIN43650A(Big hirschman)								Electrical Connection	
		M	M = M12(M12 waterproof outlet)									
		C3	C3=GX12 Three-core aviation connector									
		C4	C4=GX12 Four-core aviation connector									
		H	H=M12 Four-core aviation connector									
		M20	M20waterproof outlet(Explosion-proof digital display)								Pressure Connection	
		G	G = G1/4			G2	G2 = G1/2					
		N	N = NPT1/4									
		A	A=Ceramic core ②								Core specifications	
		B	B=Oil-filled silicon core									
		N	Without display(General type)								Digital Display Mode	
		D1	General type digital display ③									
		D2	Explosion-proof digital display									
			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	B	N	1.0	Selection Example		

②When select the ceramic core , the digital display mode can only select without digital display mode or conventional digital display mode, and cannot do RS-485 output.

③When the selected type is conventional digital display high temperature resistant pressure transmitter , the cable outlet method is only the big Hirschmann connector, and the power supply voltage is all 12~30VDC.