

LFT2700 Flat Film Pressure Transmitter



FEATURES

- Adopt 316L flat film sensor, anti-clogging, easy to clean
- Can directly measure the pressure of viscous liquid
- Adopt ASIC technology, digital compensation technology
- Excellent anti-corrosion and anti-wear properties
- Thread connection, easy to install

DESCRIPTION

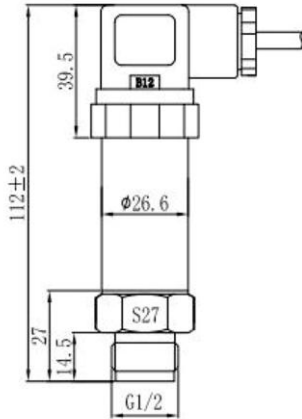
LFT2700 flat film pressure transmitter uses 316L flat film sensor, which has the features of anti-clogging, easy to clean, can directly measure the pressure of viscous liquid, and has excellent corrosion and wear resistance. Adopt ASIC technology, digital compensation, thread connection, easy installation and maintenance, the thread connection can choose a variety of exterior structure and a variety of electrical output mode can be chosen, gauge or absolute pressure diffusion silicon flat film thread sensor can directly measure viscous medium, such as the detection system of chemical coating paint, environmental protection, coal mine, papermaking, food processing, Polyurethane equipment, oil and others.

SPECIFICATION

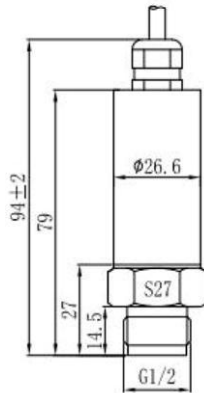
Range	-100kPa...0~20kPa...35MPa				
Overload Pressure	1.5 times of the rated pressure				
Accuracy ^①	±0.5%F.S; ±1.0%F.S				
Stability	<0.5%F.S/year				
Working Temp	-20~85°C				
Storage Temp	-40~100°C				
Measured Medium	Gas or liquid compatible with 304 and 316L stainless steel. Fluorine rubber or Nitrile Rubber				
Electrical Properties	2-wired	3-wired			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-core/four-core)				
Enclosure Protection	IP65、IP54				
Pressure Connection	G1/2、M20*1.5				
Pressure Form	Gauge Pressure G/Absolute Pressure A				
Certification	RoHS, EU electrical safety standard CE				

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

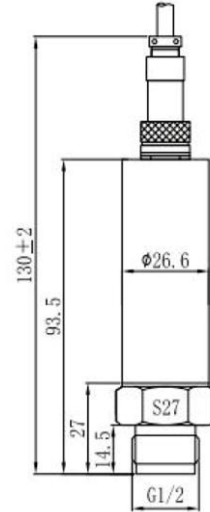
DIMENSION (mm)



Hirschmann connector



M12 cable outlet



Gx12 aviation connector

ORDER REF NO.

Code and description		Remark			
LFT2700		Model			
Range	-100kPa...0~20kPa...35MPa	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	
M	M = MPa	B	B = Bar		
0.5	0.5 = 0.5%F.S			Accuracy	
1.0	1.0 = 1.0%F.S				
D1	D1 = DIN43650A(Big Hirschmann)			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				
G	G = G1/2	M	M = M20*1.5	Pressure Connection	
1.0	1.0 = 1m			Cable Length	
2.0	2.0 = 2m				
3.0	3.0 = 3m				
LFT2700 0-60 A4 B 1.0 D1 G 1.0					Selection Example