

LFT2800 Pressure Transmitter

FEATURES

- Adopt oil-filled silicon core with high overload capacity
- Excellent corrosion and wear resistance
- Using ASIC technology, digital compensation
- Can be applied in a variety of complex environment



DESCRIPTION

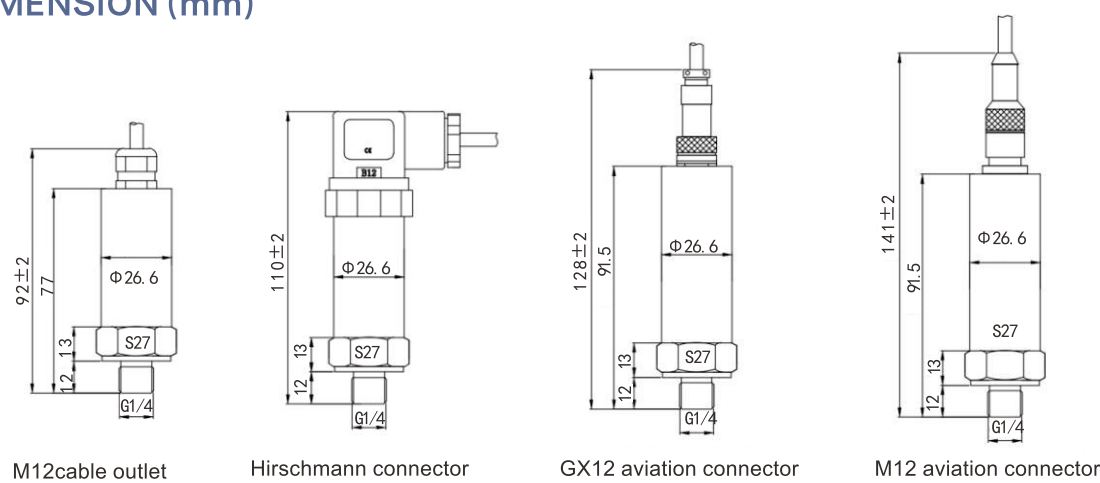
LFT2800 pressure transmitter is widely used in the measurement of fluid medium pressure in test systems such as fire protection, water treatment, water supply systems, air compressors, and pneumatic device and factory automation. It has excellent anti-corrosion and anti-wear performance, adopts ASIC technology, MEMS technology, digital compensation, and can be applied in various complex environment.

SPECIFICATION

Measurement Range	-100kPa...0~1kPa...60MPa				
Overload pressure	1.5 times of the rated pressure				
Accuracy ①	$\pm 1.0\%F.S$ (-100kPa...0~1kPa...2kPa...60MPa)				
	$\pm 0.5\%F.S$ (-100kPa...0~3kPa...9kPa...60MPa)				
	$\pm 0.25\%F.S$ (-100kPa...0~10kPa...60MPa)				
Stability	<0.5%F. S/year				
Working Temp	-20~85℃				
Storage Temp	-40~100℃				
Measured Medium	Gas or liquid compatible with 304 and 316L stainless steel, Fluorine rubber or Nitrile rubber				
Electrical Properties	2-wired(current)	3-wired(voltage)			4-wired
Output Signal	4~20mA	0.5~4.5V	0~5V	0~10V	RS485
Power Supply	8~36VDC	4.75~5.25VDC	8~36VDC	12~36VDC	10~30VDC
Electrical Connection	DIN43650A (Big Hirschmann),M12 waterproof outlet, GX12 aviation connector (three-core/four-core),M12 four-core aviation connector				
Enclosure Protection	IP54、 IP65				
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/Absolute Pressure A				
Certification	Safety explosion-proof type E, RoHS, EU electrical safety standard CE				

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

DIMENSION (mm)



ORDER REF NO.

Code and description										Remark
LFT2800										Model
Range										Measurement Range
-100kPa...0~1kPa...60MPa										Output Mode
A4		A4 = 4~20mA (2-wired)								
V05		V05 =0.5~4.5V (3-wired)								
V0		V0 = 0~5V(3-wired)								
V10		V10 = 0~10V(3-wired)								
RS										RS =RS485(4-wired)
K		K = kPa				P	P = psi			Measurement Unit
B		B = Bar				M	M = MPa			
0.25		0.25 = 0.25%F.S								Accuracy
0.5		0.5 = 0.5%F.S								
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 = G1/4		G2		G2 = G1/2				Pressure Connection
N		N = NPT1/4		M20		M20 = M20*1.5				
R		R = R1/4		U		U = 7/16-20UNF External thread				
B		B=BSP1/4								
1.0		1.0 = 1m		Cable Length						
2.0		2.0 = 2m								
3.0		3.0 = 3m								
LFT2800	0-16	A4	B	1.0	D1	G	1.0			Selection Example