

LFT2010 High Accuracy Pressure Transmitter

FEATURES

- Adopt oil-filled diffusion silicon core with high precision and high overload capacity
- Adopt special temperature compensation technology
- Excellent anti-corrosion and anti-wear performance
- Accuracy up to 0.1%



DESCRIPTION

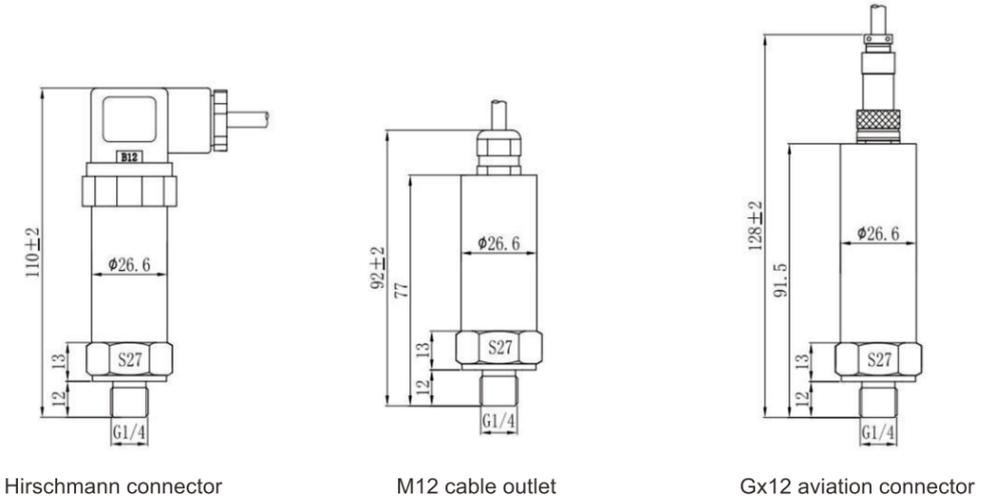
LFT2010 high-precision pressure transmitter adopts a high-precision oil-filled diffusion silicon core, and is automatically tested by a computer, and the zero point and temperature performance compensation in a wide temperature range is carried out by a laser resistance trimming process. This model has the features of high precision, high quality, small size and easy installation. Adopt high-performance MCU with low power consumption to collect pressure signals and convert into standard analog signal output, which is widely applied in fluid media pressure measurement in high-precision test systems such as fire protection, water treatment, water supply systems, air compressor pneumatic devices, and factory automation.

SPECIFICATION

Measurement Range	0~0.1...4MPa			
Overload Pressure	1.5 times of the rated pressure			
Accuracy	±0.1%F.S			
Stability	<0.1%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	0~5V ^①	0~10V ^②	RS485
Power Supply	10~36VDC	10~36VDC	14~30VDC	10~30VDC
Electrical Connection	DIN43650A (Big Hirschmann),M12 waterproof outlet, GX12 aviation connector (three-core/four-core),M12 four-core aviation connector			
Enclosure 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, EU electrical safety standard CE			

① When the accuracy is 0.1%F.S, the output is 1-5V
 ② When the accuracy is 0.1%F.S, the output is 1-10V

DIMENSION (mm)



ORDER REF NO.

Code and description		Remark						
LFT2010		Model						
Range	0~0.1...4MPa	Measurement Range						
A4	A4 = 4~20mA(2-wired)	Output Mode						
V0	V0 = 0~5V(3-wired)							
V10	V10 = 0~10V(3-wired)							
RS	RS = RS-485(4-wired)							
K	K = kPa	P	P = psi	Measurement Unit				
B	B = Bar	M	M = MPa					
0.1	0.1 = 0.1%F.S	Accuracy						
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	Pressure Connection						
G1	G1 = G1/4			G2	G2 = G1/2			
N	N = NPT1/4			M20	M20 = 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							
LFT2010	0-30	A4	B	0.1	D1	G	1.0	Selection Example