

LFT2050 Differential Pressure Transmitter

FEATURES

- Compact size, easy to install
- High stability and low drift
- A variety of structures are optional
- Can be applied in industrial occasion



DESCRIPTION

LFT2050 differential pressure transmitter adopt silicon piezoresistive differential pressure sensor as the core component, output standard industrial signals through temperature compensation, digital circuit correction and signal conditioning. The shell adopts an all-stainless steel structure with strong corrosion resistance. The product has the features of advanced design, perfect technology, sophisticated equipment, stable and reliable, and is widely applied in industrial process control, flow measurement, medical instruments, aerodynamic measurement, hydraulic, pneumatic equipment and other fields

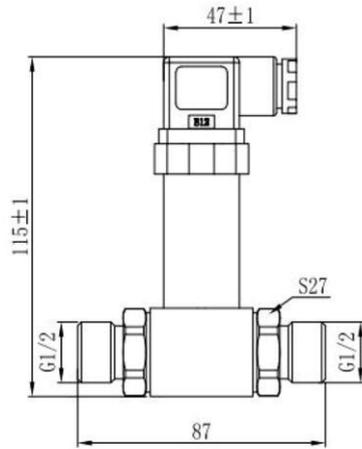
SPECIFICATION

Measurement Range	0~10kPa ... 3.5MPa		
Overload Pressure	1.5 times of the rated pressure		
Accuracy ①	±0.25%F.S(100kPa...3.5MPa)/±0.5%F.S(0...100KPa)		
Stability	<0.5%F.S/year		
Working Temp	-10~60°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	0~10V	RS485
Power Supply	10~36VDC	12~36VDC	10~30VDC
Electrical Connection	DIN43650A (Big Hirschmann), M12 waterproof outlet, GX12 aviation connector (three-core/four-core), M12 four-core aviation connector		
Pressure Connection	G1/4、NPT1/4、R1/4、G1/2、7/16-20UNF、M20*1.5、M10*1、M14*1.5 etc.		
Pressure Form	D(Differential pressure)		
Enclosure Protection	IP65		
Certification	EU electrical safety standards CE, RoHS		

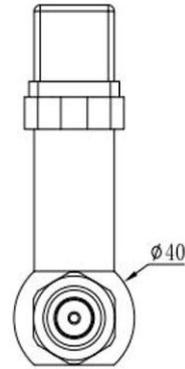
①Measured at 25°C, including the comprehensive accuracy of linearity, repeatability and hysteresis.

LEFOO

DIMENSION (mm)



Hirschmann Connector Front View



Hirschmann Connector Side View

ORDER REF NO.

Code and description		LFT2050				Remark			
Range		0~10kPa...3.5MPa				Model			
A4		A4 = 4~20mA(2-wired)				Measurement Range			
V10		V10 = 0~10V(3-wired)				Output Mode			
RS		RS = RS-485(4-wired)							
K		K = kPa		P		P = psi		Measurement Unit	
B		B = Bar		M		M = MPa			
0.25		0.25 = 0.25%F.S		0.5 = 0.5%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							
G		G1 = G1/4		M20		M20 = M20*1.5		Pressure Connection	
G2		G = G1/2		N		N = NPT1/4			
R		R = R1/4							
1.0		1.0 = 1m						Cable Length	
2.0		2.0 = 2m							
3.0		3.0 = 3m							
LFT2050 0-60 A4 B 0.25 D1 G 1.0 Selection Example									