FEATURES

- Unique waterproof and breathable structure
- Excellent corrosion and anti-wear resistance
- Adopt ceramic sensitive diaphragm with high overload capacity
- With a variety of threaded connection and electrical connections
- Small size, can be applied in various complex environment

DESCRIPTION

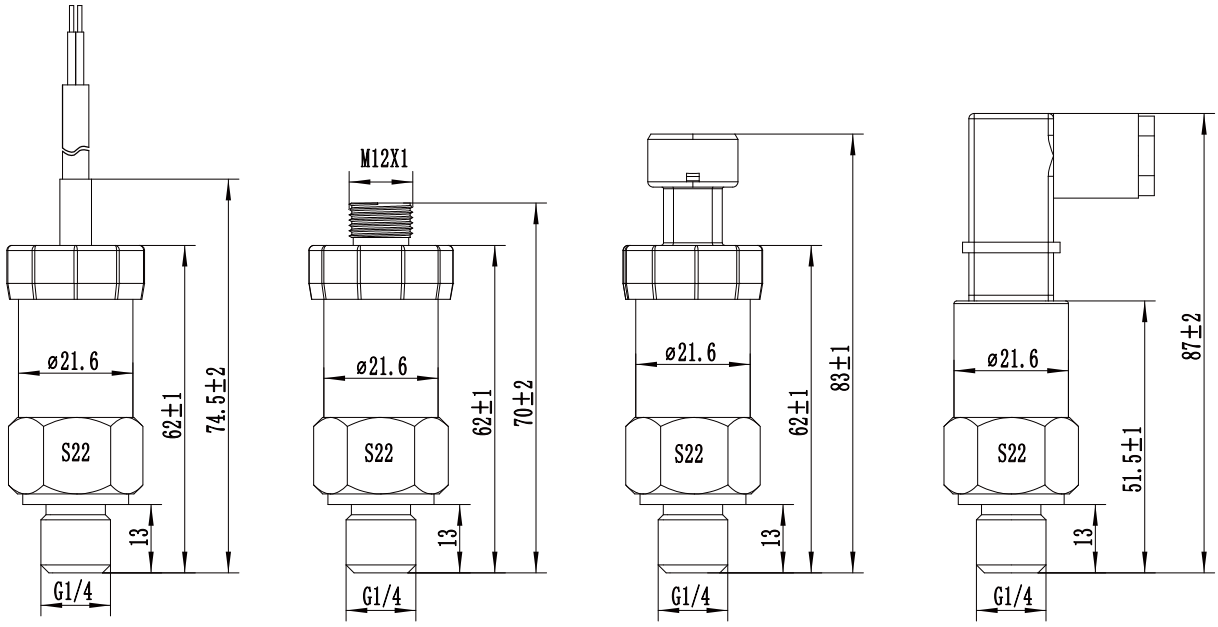
LFT2100 is widely used in fire fighting, water treatment, water supply systems, air compressors, pneumatic devices, factory automation and other test systems for the measurement of fluid medium pressure. Unique waterproof and breathable structure to prevent internal and external air pressure inconsistency resulting in precision deviation. High overload capacity ceramic sensitive diaphragm with excellent corrosion and wear resistance. ASIC technology, MEMS technology, digital compensation technology, high precision, low temperature drift. The product also has the characteristics of small size, high protection level and strong anti-interference ability, and can be applied to various complex environments.

SPECIFICATION

Measurement Range	−0.1MPa～0...3MPa, 0～0.1MPa...6MPa			
Overload Pressure	1.5 times the rated pressure			
Burst Pressure	2 times the rated pressure			
Accuracyb [note 1]	0.5%F.S(range>0.3MPa)、1.0%F.S			
Stability	<0.5%F.S/year			
Working Temp.	-20～85℃			
Storage Temp.	-40～100℃			
Medium	Gas or liquid compatible with Alumina ceramics,304 stainless steel, fluororubbers or nitrile butadiene rubber			
Electrical Properties	2-wired	3-wired		
Output Signal	4～20mA	0.5～4.5V	0～5V	0～10V
Power Supply	10～36VDC	4.75～5.25VDC	10～30VDC	12～30VDC
Electrical Connection	Packard、DIN43650C(Small Hirschmann)，Direct outlet，4 core M12 Aviation connector			
Enclosure Protection	IP65			
Pressure Connection	G1/4、NPT1/4、R1/4、BPS1/4、G1/2、7/16-20UNF、M20*1.5、M10*1、M14*1.5 etc			
Pressure Form	Gauge pressure G			
Certification	RoHS、CE			

Note 1: Measurement at 25 ℃, includes a combined accuracy of linearity, repeatability and hysteresis.

DIMENSION (mm)



ORDER REF NO.

Code and description									Remark
LFT2100									Model
	Range	-0.1MPa～0…3MPa, 0～0.1MPa…6MPa							Measurement range
		A4	A4 = 4~20mA(2-wired)						Output type
		V05	V05 = 0.5~4.5V(3-wired)						
		V0	V0=0~5V(3-wired)						
		V10	V10=0~10V(3-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				
					P	P = Packard(Packard)			Electrical Connection
					D	D = DIN43650C(Small Hirschmann)			
					Z	Z = Direct outlet			
					C4	C4=4 core M12 aviation connector			
						G	G=G1/4	G2	G2=G1/2	Pressure Connection
						N	N=NPT1/4	M20	M=M20*1.5	
						R	R=R1/4	B	B=BSP1/4	
							1.0	1.0=1m		Cable Length
							2.0	2.0=2m		
LFT2100	0-1	A4	M	1.0	P	G	1.0			Example

For example: LFT2100 0-1 A4 M 1.0 P G 1.0(LFT2100 pressure transmitter, range 0-1MPa, output 4-20mA, accuracy 1.0%, packard connection, pressure port G1/4, outlet length 1m)