

LFT2020 Sanitary Flat Membrane Pressure Transmitter

FEATURES

- High temperature model and normal temperature model optional
- Adopt ASIC digital compensation technology
- Excellent anti-corrosion and anti-wear properties
- Strong anti-interference, good long-term stability
- 50.5mm chuck connection, easy to install and clean
- The part in contact with the measured object is made of 316L material, which is suitable for medical and sanitation industries



DESCRIPTION

LFT2020 Sanitary Flat Membrane Pressure Transmitter adopts high-performance oil-filled diffusion silicon core. The internal special-purpose integrated circuit converts the millivolt signal of the sensor into standard voltage, current or 485 signal, which can be directly connected with computer interface card, control instrument, intelligent instrument or PLC. The process connection of the pressure transmitter is sealed by sterile chuck type diaphragm, which is widely applied in the food, dairy, chemical and pharmaceutical industries.

SPECIFICATION

Measurement Range	-100kPa...0~10kPa...7MPa			
Overload Pressure	1.5 times of the rated pressure			
Accuracy ^①	±0.5%F. S			
Stability	<0.5%F.S/year			
Working Temp ^②	-20~85°C			
Medium Temp ^③	-40°C~100°C/-40°C~150°C			
Measure Medium	Media Compatible with 316L Stainless Steel, Selected Rubber Rings			
Sanitary Flat Membrane Pressure Transmitter				
Electrical Properties	2-wired	3-wired	3-wired	4-wired
Output Signal	4~20mA	0.5~4.5V	0~10V	RS485
Power Supply	10~36VDC	4.75~5.25VDC	12~36VDC	10~30VDC
Electrical Connection	DIN43650A (Big Hirschmann), M12 waterproof outlet, M12 aviation connector (four cores), GX12 aviation connector (three/four cores)			

Explosion-proof Digital Display Sanitary Flat Membrane Pressure Transmitter			
Electrical Properties	2-wired	3-wired	4-wired
Output Signal	4~20mA	0~10V	RS485
Power Supply	10~30VDC	14~36VDC	10~36VDC
Electrical Connection	Direct cable outlet		
Enclosure Protection	IP65		
Pressure Connection	50.5mm chunk connection		
Pressure Form	Gauge Pressure G/Absolute Pressure A		
Certification	EU electrical safety standard CE		

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

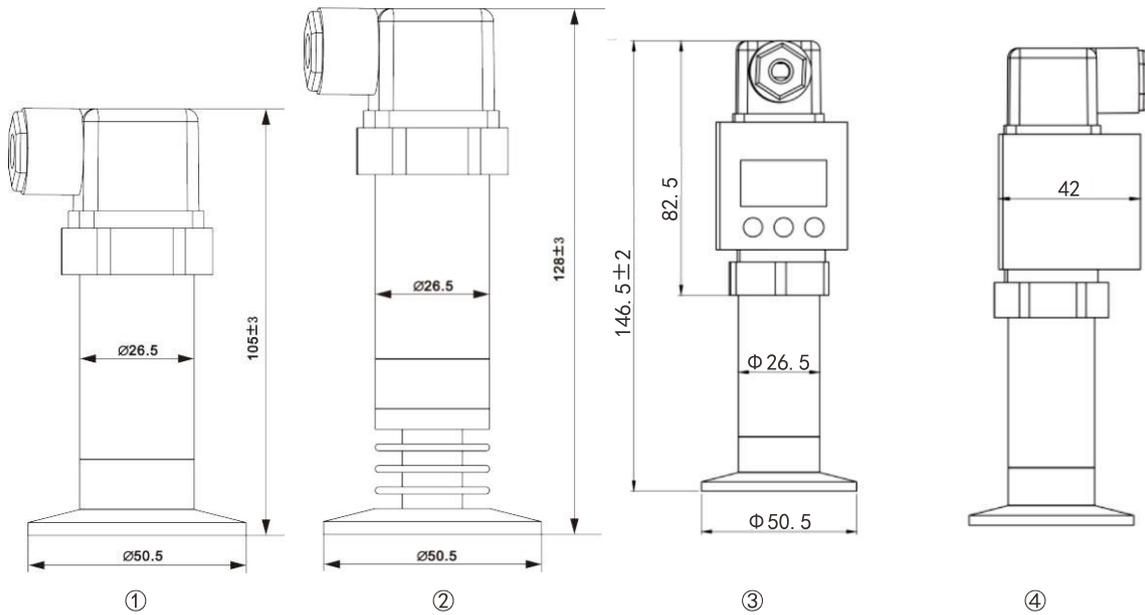
② Without heat sink is -40~100°C, with heat sink is -40~150°C ③ The oil-filled silicon core is 316L stainless steel

ORDER REF NO.

Code and description		Remark							
LFT2020		Model							
Range	-100kPa...0~10kPa...7MPa	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-485 output (4-wired)								
K	K = kPa	P	P = psi	Measurement Unit					
B	B = Bar	M	M = MPa						
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(waterproof outlet)								
C3	C3=GX12 Three-core aviation connector								
C4	C4=GX12 Four-core aviation connector								
H	C4=M12 Four-core aviation connector								
M20	M20 waterproof cable outlet (Explosion-Proof digital display)								
K2	K2 = 50.5mm chunk connection			Pressure Connection					
N	Without display(General type)			Digital Display Mode					
D1	General type digital display ④								
D2	Explosion-proof digital display								
1.0	1.0 = 1m			Cable Length					
2.0	2.0 = 2m								
LFT2020	0-10	A4	B	1.0	D1	K2	N	1.0	Selection Example

Note④: When the selected type is conventional digital display sanitary flat film pressure transmitter, the cable outlet is only the big Hirschmann connector, and the power supply voltage is all 12~30VDC

DIMENSION (mm)

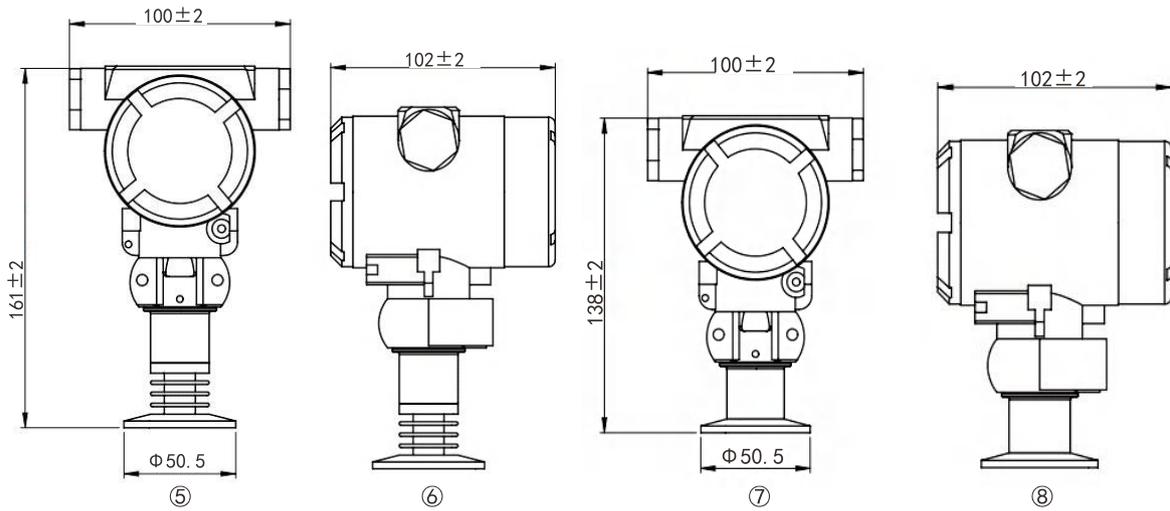


① Hirschmann Connector

② High Temperature Model Hirschmann Connector

③ Digital Display Model Front View

④ Digital Display Model Side View



⑤ Digital display/high temperature/explosion-proof Front view

⑥ Digital display/high temperature/explosion-proof side view

⑦ Digital display/explosion-proof Front view

⑧ Digital display/explosion-proof side view