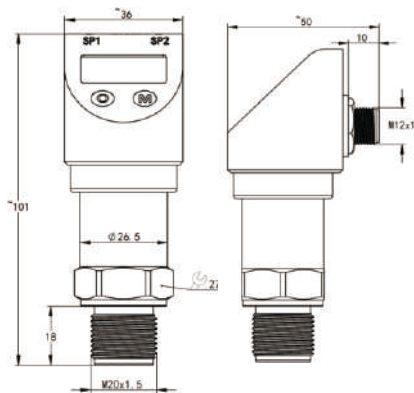
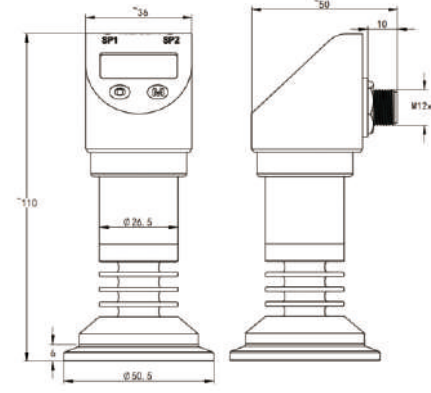


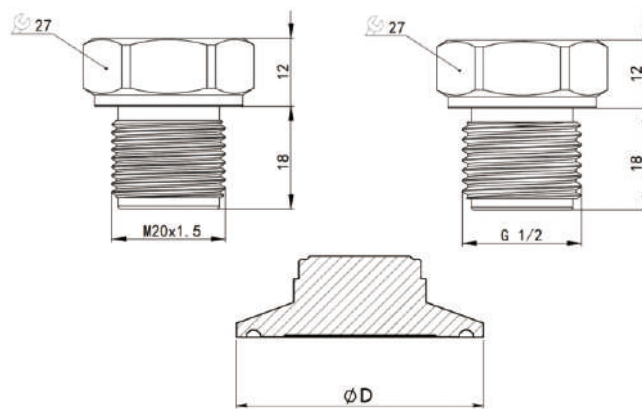
THREADED MOUNTING



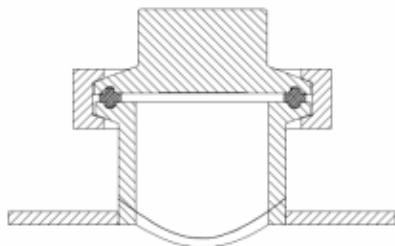
TRI-CLAMP MOUNTING



PRESSURE PORT



INSTALLATION DIMENSIONS



Standard	Size	Diameter (ΦD)	Max Pressure
Tri-Clamp	1-1/2"	50.5	2MPa
Tri-Clamp	2"	64	2MPa
ISO 2852	DN38	50.5	2MPa
ISO 2852	DN40-51	64	2MPa
DIN 32676	DN32-40	50.5	1.6MPa
DIN 32676	DN50	64	1.6MPa

LFDS68 Order Ref No

LFDS68 10MPa A 0.5 D M K 2 1 1 1
A B C D E F G H I J

A Pressure Range	B Pressure	C Accuracy	D Output	E Electrical Connection
-100kPa...0~10kPa...60MPa(gauge)	G=Gauge pressure	0.5=±0.5%F.S	A4=4~20mA	M=M12*1,5P
0~10kPa...10MPa(absolute)	A=Absolute pressure		A4N=4~20mA+2 NPN switches	M1=M12x1, 5-pin with 0.5 m cable
			A4P=4~20mA+2 PNP switches	
			A4D=4~20mA+relay switch	
			N=2 NPN switches	
			P=2 PNP switches	
			D=1 relay switch	
F Pressure Port	G Material of Pressure Port	H Sensor	I O-ring	J Display
M20=M20*1.5 male thread	1=304	1=316L	1=FKM O-ring	LED display
G2=G1/2 male thread	2=316L		2=NBR O-ring	LCD display
K=50.5mm Tri-Clamp			3=EPDM O-ring	
X=Other clamp sizes				

LFDS68

Pressure Switch Transmitter



LFDS68 Pressure Switch is a fully electronic device. It uses a high-precision, high-stability silicon piezoresistive sensor with a dedicated signal conditioning circuit. It features: On-site digital display; one channel 4-20 mA analog output; two channel electronic switch outputs or one relay switch output; multiple pressure connection options: threaded or Tri-Clamp. This compact device integrates pressure measurement, display, output, and control. It is flexible, easy to operate, safe, and reliable, widely used in: industrial automation; environmental protection, petrochemical industry; water treatment systems.

Specification

Pressure Range	
Gauge	-100kPa...0~10kPa...60MPa
Absolute	0~10kPa...10MPa
Overload	1.5x full scale
Remark: max 2 Mpa for Tri-Clamp, as per "Pressure Connection"	
Media Compatibility	
Media Type	Liquids and gases compatible with wetted materials
Output & Power Supply	
Output & Power Supply	4~20mADC/Vs=12~32VDC
	4~20mADC+2electronic switches/Vs=12~32VDC
	4~20mADC+1 relay switch/Vs=18~32VDC
Performance	
Accuracy①	±0.5%FS
Long-Term Stability	±0.3%FS/year
①Remark:Accuracyis comply with IEC60770 (non-linearity, hysteresis, repeatability)	
Switch Alert	
Switch Type	PNP/NPN
Load Capacity	≤300mADC 24VDC
Life Span	>1 million cycles
Relay Switch Alert	
Switch Type	Relay Switch
Load Capacity	≤1ADC 24VDC
Life Span	~100, 000 cycles
LED Display	
Type	4-digit numeric
Range	-1999~9999
LCD Display	
Features	Analog bar graph, pressure unit display
Range	-1999~9999
Temperature Characteristics	
Compensation Range	0~70°C
Zero Temp Drift	±1.0%FS.,comparing 25°C
Span Temp Drift	±1.0%FS.,comparing 25°C
Environmental Conditions	
Temperature Condition	Ambient Temp:-40~70°C(LED Display),-20~60°C(LCD Display)
	MediaTemp:-40~125°C
	StorageTemp:-30~70°C
Protection Rating	Ip65
②Exception: ± 2.0%FS.for10 kPa range,0~60°C	

CONSTRUCTION MATERIALS

Component	Material
Pressure Port	Stainless Steel 304
	Stainless Steel 316L
Sensor	316L
O-Rings	NBR (-40~120°C)
	FKM (-20~200°C)
	EPDM (-55~150°C)