Differential pressure transmitter

Description

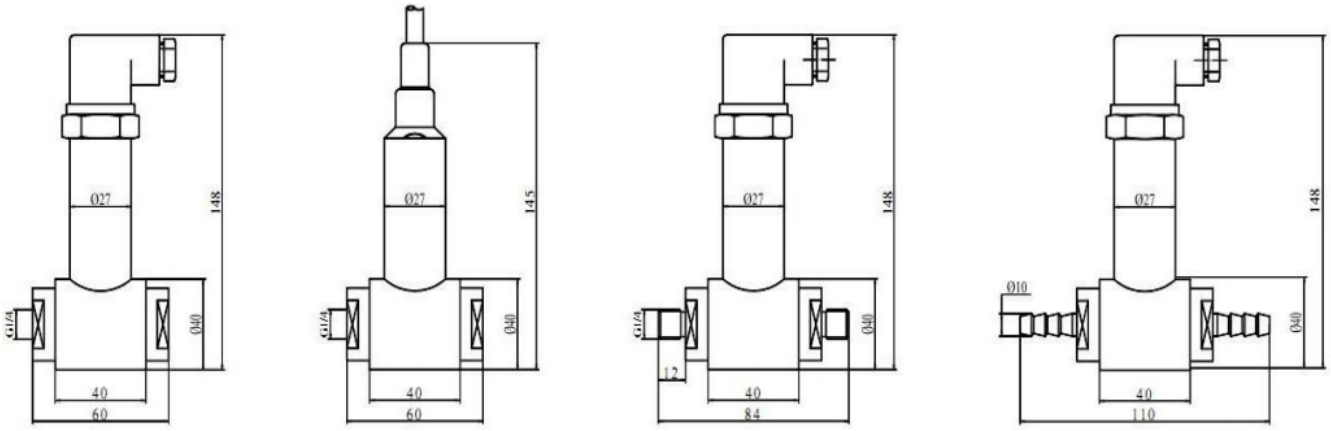
LNT-206 differential pressure transmitter is based on piezo-resistive silicon technology, differential pressure transmitter uses silicon differential pressure sensors with stainless steel isolated diaphragm as measuring elements. Made of 316L stainless steel and designed of rigid and robust construction, PD401 differential pressure transmitter has a feature of that zero point and full range can be adjusted. It is suitable for application in harsh environment and measurement with corrosive pressure media.
This product has widely been used for measurement of differential pressure of pipeline fluids in petroleum industry, chemical industry, electric power hydrology etc.

Feature

●Easy to install
●Imported silicon sensor chip employed
●Perfect long term stability
●Zero point and full range can be adjusted
●Have short-circuit protection
●Have reverse Polarity Protection

Applications

- Industrial Process testing and control
- Level measurement and control
- Available to Oxygen, CO2, Nitrogen,gas steam
- Pipeline pressure testing



Speifications

pressure medium	gas liquid compatible stainless steel
pressure ranges	0~±5kPa ……±5000kPa
overload pressure	150%FS
Pipe hydrostatic pressure	3 ,5 , 10 times of Full pressure , 20Mpa
output signal	4~20mA, 0~5V, 0~10V, 1~5V
accuracy	0.5%FS (standard)
load resistance	RL = (U-10)/0.02(ohm) (4~20mA current output)
long term stability	<0.25%FS/year
supply voltage	10~30Vdc, 8~36Vdc, 11~30Vdc
compensated temperature range	-10~70°c
operating temperature range	-40~+85°c
storage temperature range	-10~+70°c
temperature coefficient of zero	0.3%FS/10°c
temperature coefficient of span	0.3%FS/10°c
insulation resistance	>100M(ohm)@ 50VDC
process connection	G1/4 or others
electrical connection	DIN 43650 or others
material of wetted part	1Cr18Ni9Ti
material of pressure membrane	316L
material of housing	1Cr18Ni9Ti
Electromagnetic compatibility	Electromagnetic radiation: EN50081-1/-2; Electromagnetic sensitivity: EN50082-2;
Lightning proof A	Air-conduction pressure : 8000V, Shell & cable conduction pressure: 4000V

Differential pressure transmitter

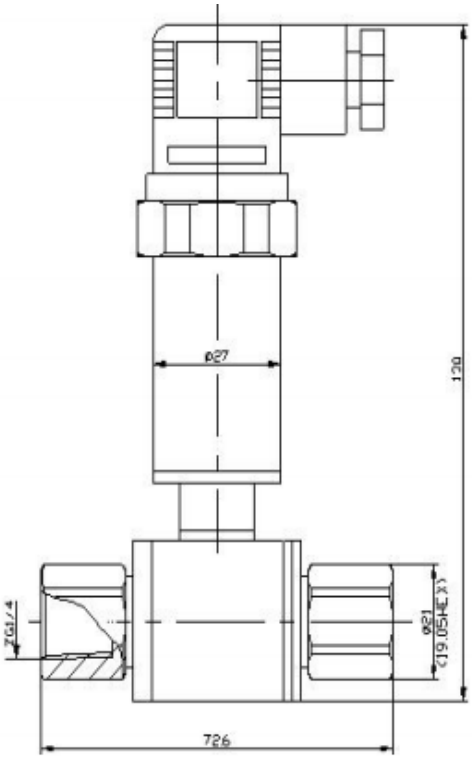
Differential pressure transmitter uses silicon differential pressure sensors with 316L stainless steel isolated diaphragm as measuring elements. Made from all stainless steel housing. This product has widely been used for measure of differential pressure of pipeline fluids in petroleum industry, chemical industry, electric power hydrology etc & suitable for application in harsh environment and measurement with corrosive pressure media.

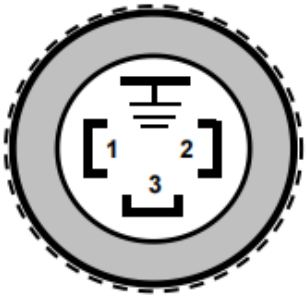
LNT206-2.5

Speifications

Medium:gas or liquid compatible to stainless steel
Pressure ranges: 0~0.1...3.5Mpa
Pressure type: differential (D)
Output signal: 4~20mA, 0~10V, RS485
Accuracy: 0.5%FS
Long term stability : <0.5%FS/year
Supply voltage:12~32VDC
Operating temperature range: -30~+70°c
Storage temperature range: -40~+85°c
Process connection:G1/2 M or others
Material of pressure diaphragm:316L

Dimension





Pressure connection

Differential pressure transmitter has two inlet port,one is “H” for high pressure & another is “L” for low pressure. In the installation process,prohibit leakage phenomenon, because it will reduce the accuracy of measurement.

Electrical connection

4-20mA 2 wires	Pin1/Red	Power +
	Pin2/Yellow	Current output
0-5/10V 3 wires	Pin1/Red	Power +
	Pin2/Yellow	GND
	Pin3/Blue	Voltage output
RS485	Pin1/Red	Power +
	Pin2/Yellow	Power -
	Pin3/Blue	RS485 A
	Pin4/Green	RS485 B