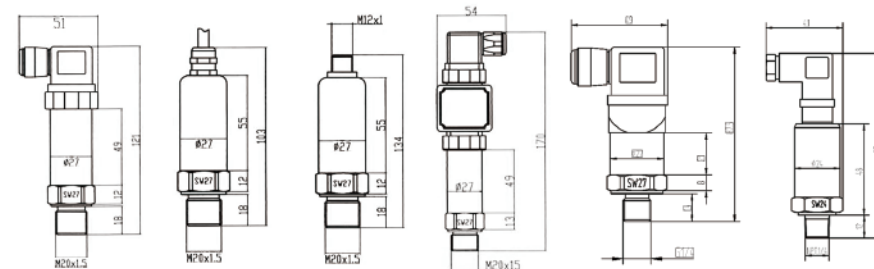




Dimensions



Ordering Guide

PS-100	General Pressure Transmitter	
0-XMPa	Code	Measuring Range
	(0-X) Bar or MPa	X (Actual required range)
	Code	Electrical Connections
	H	Hirschmann (DIN43650A)
	M	M12
	Z	Cable
H	HV	Hirschmann with display
	W	Short Shell
	XH	Mini Hirschmann (DIN43650C)
	Code	Output
	I	4-20mA
	R	RS485
I	V5	0-5V
	V05	0.5-4.5V
	V10	0-10V
	C	CAN
	F	FF
	H	HART
S	Code	Accuracy
	5	0.5%F.S
	2	0.2%F.S
	1	0.1%F.S
	0	0.075%F.S
	Code	Thread
G14	G14	G1/4
	NPT14	NPT1/4
	G12	G1/2
	NPT12	NPT1/2
	G18	G1/8
	G38	G3/8
G	Customized	
	Code	Pressure Type
	G	Gauge Pressure
	A	Absolute Pressure
	Code	Display
	E	LED
E	C	LCD
	N	Non-dispaly
	Code	Wetted Material
	S4	SS304
	S6	SS316L
	SP	PTFE
S4	SM	Special Materials

PS-100

General Pressure Transmitter

Overview

The PS-100 series use diffused silicon pressure sensors as sensitive components and adopts fully digital circuits. The overall performance is stable and reliable, and can carry out long-distance signal transmission. All stainless steel structure, easy to install. It has extremely high anti-interference and impact resistance .It's suitable for gas, hydraulic, environmental protection, medical and other industries.



Features

- Diffusion silicon-filled oil core with stainless 316L isolation diaphragm
- High accuracy, all stainless steel structure
- Micro amplifier, voltage and current signal output
- Strong anti-interference, good long-term stability
- Various structures, easy installation and use
- Wide measuring range, can measure absolute pressure, gauge pressure and sealed gauge pressure
- Vibration and shock resistance
- It can use App to reset and range span

Performance Parameter

Pressure Range	-0.1~0~100MPa
Output	4~20mA/0~5V/0~10V/RS485/HART
Power Supply	10-30VDC/5VDC
Accuracy	0.5%F.S/0.2%F.S/0.1%F.S/0.075%F.S
Electrical Interface	Hirschmann(DIN43650A/DIN43650C)/M12/Cable
Thread	G1/2 / G1/4 / G1/8 / NPT1/2 NPT1/4 (Customizable)
Operating Temperature	-10°C~80°C
Medium Temperature	-40°C~80°C (≥80°C Cooling Part)
Relative Humidity	≤80%
Overload	150%
Temperature Excursion	±0.02%/°C
Long-term Stability	±0.2%F.S/Year
Protection	IP65

Electromagnetic Compatibility Environment

Serial Number	Test Items	Basic Standards	Test Conditions	Performance Level
1	Radiated interference (enclosure)	GB/T9254/EN 55011	30MHZ-1000MHZ	B(Note 2)
2	Conducted interference (DC power supply)	GB/T9254/EN 55011	0.15MHZ-300MHZ	B(Note 2)
3	Electrostatic discharge immunity	GB/T 17626.2/IEC 61000-4-2	4kV(touch),8kV(Air)	A(Note 1)
4	RF magnetic field	GB/T 17626.3/IEC 61000-4-3	10V/m(80MHZ-1GHZ)	A(Note 1)
5	Power frequency magnetic field	GB/T 17626.8/IEC 61000-4-8	30A/m	A(Note 1)
6	Electrical burst immunity	GB/T 17626.4/IEC 61000-4-4	2kV(5/50nS,100kHz)	A(Note 1)
7	Surge Immunity	GB/T 17626.5/IEC 61000-4-5	1000V(12u S/50 u s)	B(Note 2)
8	Radio frequency induction conduction anti-harassment	GB/T 17626.6/IEC 61000-4-6	10V(150kHz-80MHz)	A(Note 1)

Note 1: When the performance level is A, the performance is normal within the limits of the technical specifications.
2: At performance level B, functions or performance are temporarily reduced or lost, but can be restored by themselves, and the actual operating status, storage and data remain unchanged.

PS101

Compact Pressure Transmitter

Overview

PS101 is equipped with ceramic sensor and stainless steel 304 case, pressure transmitter is specially designed for small and medium equipment applications such as booster pumps and air compressors. It is also applicable to a wide range of industrial applications, with a variety of structures and output to meet the requirements of most applications. QYB101 is designed with compact structure which especially applies to the installation in small space.



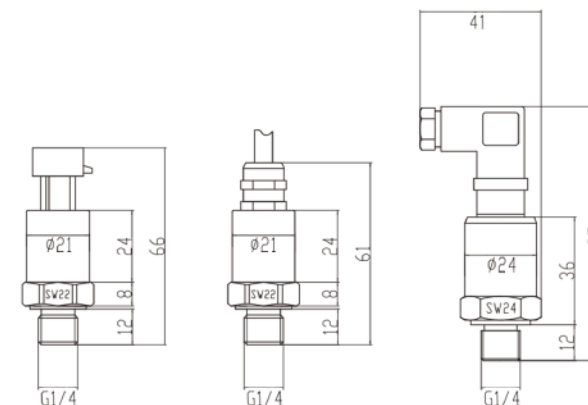
Features

- Compact structure
- Digital circuit compensation
- Strong anti-interference, good long-term stability
- Small diameter, small size, easy to install and use
- Can measure absolute pressure, gauge pressure and sealed gauge pressure
- A variety of electrical connections(Packcard/Cable/Plug/Customize to request)

Performance Parameter

Pressure Range	0~5MPa
Output	4-20mA/0-5V/0.5-4.5V/0-10V
Power Supply	10~30VDC
Accuracy	0.5%F.S/1%F.S
Electrical Interface	Hirschmann(DIN43650C)/Cable(Cable Length 1.5m) Packard(Cable Length 1.5m)/Plug(Cable Length 1.5m)
Thread	G1/2 / G1/4 / G1/8 / NPT1/2 NPT1/4 (Customizable)
Operating Temperature	-10°C~80°C
Medium Temperature	-40°C~80°C (≥80°C Cooling Part)
Relative Humidity	≤80°C
Overload	150%
Temperature Excursion	±0.02%/°C
Long-term Stability	±0.2%F.S/Year
Protection	IP65

Dimensions



Ordering Guide

PS101	Compact Pressure Transmitter	
H	Code	Electrical Connections
	H	Hirschmann(DIN43650C)
	P	Packard(Cable Length 1.5m)
	Z	Cable(Cable Length 1.5m)
	Customized	
0-XMPa	Code	Measuring Range
	(0-X)MPa	X (Actual required range)
I	Code	Output
	I	4-20mA
	V5	0-5V
	V05	0.5-4.5V
	V10	0-10V
5	Code	Accuracy
	5	0.5%F.S
	1	1%F.S
G14	Code	Thread
	G14	G1/4
	NPT14	NPT1/4
	G12	G1/2
	NPT12	NPT1/2
	G38	G3/8
	Customized	
S4	Code	Wetted Material
	S4	SS304
	S6	SS316L
	SP	PTFE
	SM	Special Materials

PS-102

Industrial Pressure Transmitter

Overview

PS102 adopts 2088 industrial explosion-proof shell, uses high performance, high stability pressure sensor as the pressure signal measuring element. The sensor signal is converted into standard signal output through special signal processing. The product has passed long-term aging and stability screening with stable and reliable performance and can be used in harsh outdoor environment. It has special wiring terminals and digital display, making installation, calibration and maintenance easy. This series of products is suitable for petroleum, water conservancy, chemical industry, metallurgy, electric power, light industry, scientific research, environmental protection, etc various enterprises and institutions. to realize fluid pressure measurement and suitable for various occasions, all-weather environment and various corrosive fluids.

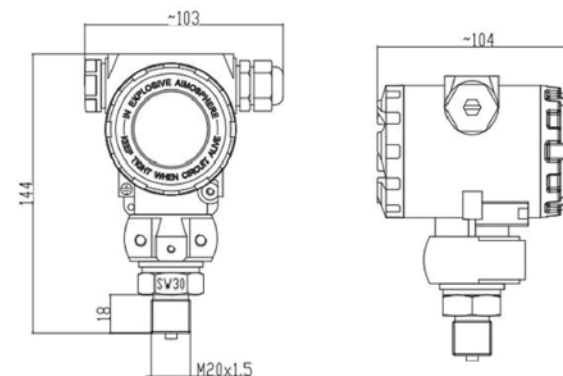
Features

- Piezoresistive silicon chip employed
- A variety of output signals can be selected, customization available
- Measuring range widely, LED, LCD pressure display
- Reverse polarity protection and current limiting protection
- Anti-lightning strike, anti-impact
- Intrinsically safe and explosion-proof
- High precision, high stability, high reliability
- Pressure measurement for gases, liquids and vapors

Performance Parameter

Pressure Range	-0.1~0~100MPa
Output	4-20mA/RS485/4-20mA+HART
Power Supply	10-30VDC
Accuracy	0.5%F.S/0.2%F.S/0.1%F.S/0.075%F.S
Display	4 digit LED/5 digit LCD
Display Range	-19999~99999
Thread	G1/2 / G1/4 / G1/8 / NPT1/2 NPT1/4 (Customizable)
Operating Temperature	-10°C~80°C
Medium Temperature	-40°C~80°C (≥80°C Cooling Part)
Relative Humidity	≤80°C
Overload	150%
Temperature Excursion	±0.02%/°C
Long-term Stability	±0.2%F.S/Year
Protection	IP65

Dimensions



Ordering Guide

PS102	Industrial Pressure Transmitter	
X	Code	Display
	W	Non-Display
	X	LED Display
	Y	LCD Display
I	Code	Output
	I	4-20mA
	R	RS485
	H	4-20mA+HART
D	Code	Shell Color
	S	Single Color(Blue)
	D	Double Color(White and Green)
MPa	Range	Measuring Range
	(0-X)MPa	X (Actual required range)
S	Code	Accuracy
	5	0.5%F.S
	2	0.2%F.S
	1	0.1%F.S
	0	0.075%F.S
G14	Code	Thread
	G14	G1/4
	NPT14	NPT1/4
	G12	G1/2
	NPT12	NPT1/2
	G38	G3/8
S4	Code	Wetted Material
	S4	SS304
	S6	SS316L
	SP	PTFE
	SM	Special Materials

PS103

Oilfield Pressure Transmitter

Overview

PS 103 uses piezo-resistive high accuracy pressure sensor as sensing element, which is accurate tested and laser trimmed to compensate zero and sensitivity in wider temperature range. The amplifier circuit transforms sensor signal into standard output signal. Through long-term aging and stability testing, the whole product's performance is stable and reliable. It is Widely used for process control and pressure measure of petroleum, chemical industry, metallurgy power station, textile industry.



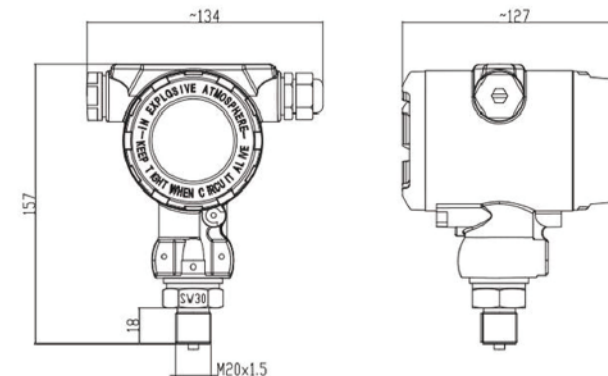
Features

- 4~20mA&RS485 dual output
- Multiple range unit options, customers can switch pressure units on site
- LCD digital display, current, pressure, percentage optional
- Range span
- The part in contact with the medium is made of stainless steel 304/316L, with special forms such as flush diaphragm and tantalum diaphragm.
- 3051 industrial explosion-proof housing

Performance Parameter

Pressure Range	-0.1~0~100MPa
Output	4-20mA/4-20mA+RS485/4-20mA+HART
Power Supply	10~30VDC
Accuracy	0.5%F.S/0.2%F.S/0.1%F.S/0.075%F.S
Display	5 digit LCD
Display Range	-19999~99999
Thread	G1/2 / G1/4 / G1/8 / NPT1/2 NPT1/4 (Customizable)
Operating Temperature	-10°C~80°C
Medium Temperature	-40°C~80°C (≥80°C Cooling Part)
Relative Humidity	≤80°C
Overload	150%
Temperature Excursion	±0.02%/°C
Long-term Stability	±0.2%F.S/Year
Protection	IP66

Dimensions



Ordering Guide

PS 103	Oilfield Pressure Transmitter	
I	Code	Output
	I	4-20mA
	R	4-20mA+RS485
5MPa	H	4-20mA+HART
	Code	Measuring Range
	(0-X)MPa	X (Actual required range)
5	Code	Accuracy
	5	0.5%F.S
	2	0.2%F.S
	1	0.1%F.S
	0	0.075%F.S
G14	Code	Thread
	G14	G1/4
	NPT14	NPT1/4
	G12	G1/2
	NPT12	NPT1/2
	G38	G3/8
S4	Customized	
	Code	Wetted Material
	S4	SS304
	S6	SS316L
	SP	PTFE
	SM	Special Materials

PS106

Sputtering Thin Film Pressure Transmitter

Overview

PS106 Sputtering film pressure transmitter adopts ion beam sputtered film technology, with an all-stainless steel integrated structure, a high-sensitivity pressure core, and is fully welded and packaged in a stainless steel shell. It has high accuracy, long working life, and good long-term stability. Low power consumption, no hysteresis, good repeatability, etc. Mainly used in high-end industrial sites and military equipment.



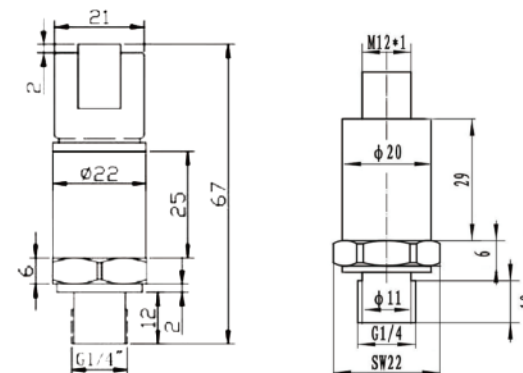
Features

- Withstand frequent pressure shocks, vibrations, and pressure overloads of more than 5 times
- Elastomers and strain resistance materials are both metal materials and have a wide applicable temperature range
- Corrosion-resistant, small size, low power consumption, fast response
- The maximum range for 250MPa

Performance Parameter

Pressure Range	2~250MPa
Output	4~20mA/0~5V/0~10V
Power Supply	10~30VDC
Accuracy	0.5%F.S/0.2%F.S
Thread	G1/2 / G1/4 / G1/8 / NPT1/2 NPT1/4 (Customizable)
Overload	500%
Operating Temperature	-10°C~80°C
Medium Temperature	-40°C~80°C (≥80°C Cooling Part)
Relative Humidity	≤80°C
Temperature Excursion	±0.02%/°C
Long-term Stability	±0.2%F.S/Year
Protection	IP65

Dimensions



Ordering Guide

PS 106	Sputtering Thin Film Pressure Transmitter	
H	Code	Electrical Connections
	H	Hirschmann(DIN43650C)
	M	M12
	Z	Cable
I	Code	Output
	I	4~20mA
	R	0~5V
	H	0~10V
5MPa	Code	Measuring Range
	(0-X)MPa	X (Actual required range)
5	Code	Accuracy
	5	0.5%F.S
	2	0.2%F.S
G14	Code	Thread
	G14	G1/4
	NPT14	NPT1/4
	G12	G1/2
	NPT12	NPT1/2
	G38	G3/8
S4	Code	Wetted Material
	S4	SS304
	S6	SS316L
	SP	PTFE
	SM	Special Materials

PS112

Full Stainless Steel Pressure Transmitter

Overview

PS112 pressure transmitter is made of an all-stainless steel 304 material shell. It has been automatically tested by a computer and uses laser resistance trimming technology to perform zero point and sensitivity compensation in a wide temperature range. The stainless steel isolation diaphragm high accuracy piezoresistive sensor is used as the signal measurement element. The sensor signal After passing through the circuit board, it is converted into a standard signal output. This series of products is suitable for petroleum, water conservancy, chemical industry, metallurgy, electric power, light industry, scientific research, environmental protection, etc.



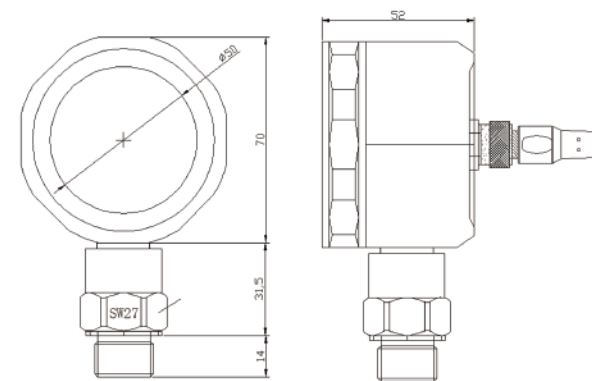
Features

- All stainless steel 304
- 5-Digit LCD display
- Convenient range debugging
- Reverse polarity protection and current limiting protection
- Anti-lightning strike and impact resistance
- Intrinsically safe and explosion-proof; small size, beautiful appearance and high cost performance
- High precision, high stability and high cost-effective

Performance Parameter

Pressure Range	-0.1~0~100MPa
Output	4-20mA/RS485/4-20mA+Hart
Power Supply	10~30VDC
Accuracy	0.5%F.S/0.2%F.S/0.1%F.S/0.075%F.S
Thread	G1/2 / G1/4 / G1/8 / NPT1/2 NPT1/4 (Customizable)
Shell Material	SS304
Overload	150%
Operating Temperature	-10°C~80°C
Medium Temperature	-40°C~80°C (≥80°C Cooling Part)
Relative Humidity	≤80°C
Temperature Excursion	±0.02%/°C
Long-term Stability	±0.2%F.S/Year
Protection	IP65

Dimensions



Ordering Guide

PS112	Full Stainless Steel Pressure Transmitter	
I	Code	Output
	I	4-20mA
	R	RS485
	H	4-20mA+HART
5MPa	Code	Measuring Range
	(0-X)MPa	X (Actual required range)
5	Code	Accuracy
	5	0.5%F.S
	2	0.2%F.S
	1	0.1%F.S
	0	0.075%F.S
G14	Code	Thread
	G14	G1/4
	NPT14	NPT1/4
	G12	G1/2
	NPT12	NPT1/2
	G38	G3/8
S4	Customized	
	Code	Wetted Material
	S4	SS304
	S6	SS316L
	SP	PTFE
	SM	Special Materials

PS132

Fire-fighting Pressure Transmitter

Overview

PS132 is a digital display pressure transmitter dedicated for fire protection pressure detection. It uses high-quality high-voltage sensitive components and a digital compensation circuit. It can output MOD-BUS-RS485 protocol pressure signals. The display and output are stable and suitable for various harsh usage environments such as fire protection, petroleum, chemical industry, water affairs, and environmental testing.



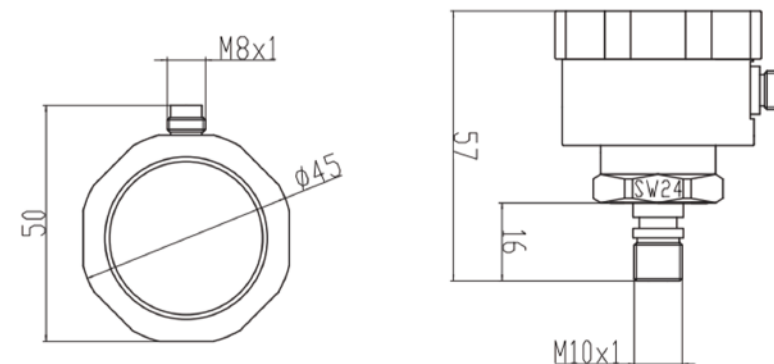
Features

- Wide measuring range coverage
- Integrated 304 stainless steel design, compact size
- Shock and vibration resistance
- Adopt high overload strain pressure sensor to prevent leakage
- The industrial control screen panel can connect 20 units pressure transmitters to display real-time pressure values
- High protection level, high precision

Performance Parameter

Pressure Range	-0.1~0~40MPa
Output	4~20mA/RS485
Power Supply	10~30VDC
Accuracy	0.5%F.S/0.2%F.S
Thread	M10*1/G1/2 / G1/4 / G1/8 / NPT1/2 NPT1/4/NPT1/8(Customizable)
Shell Material	SS304
Overload	150%
Operating Temperature	-10°C~80°C
Medium Temperature	-40°C~80°C
Relative Humidity	≤80%
Temperature Excursion	±0.02%/°C
Long-term Stability	±0.2%F.S/Year
Protection	IP65

Dimensions



Ordering Guide

PS132	Fire-fighting Pressure Transmitter	
X	Code	Display
	X	LED
I	Code	Output
	I	4-20mA
R	Code	RS485
	R	RS485
5MPa	Code	Measuring Range
	(0-X)MPa	X (Actual required range)
5	Code	Accuracy
	5	0.5%F.S
2	Code	Accuracy
	2	0.2%F.S
G14	Code	Thread
	G14	G1/4
	NPT14	NPT1/4
	G12	G1/2
	NPT12	NPT1/2
	G38	G3/8
S4	Code	Wetted Material
	S4	SS304
	S6	SS316L
	SP	PTFE
	SM	Special Materials
	Customized	

PS16X

General Differential Pressure Transmitter

Overview

PS16X sensitive element of the pressure transmitter is an integrated fully welded (no sealing ring) differential pressure measuring element. Silicone oil is filled between the chip and the two corrugated diaphragms. The measured differential pressure acts on the corrugated diaphragms at both ends. on the device, the differential pressure is transmitted to the sensitive chip through silicone oil, and the sensitive chip is connected to the signal processing circuit through wires. Since the signal output by the Wheatstone bridge on the sensitive chip has a good linear relationship with the differential pressure, the measured differential pressure can be accurately measured. The transmitter is available in a variety of measurement ranges to meet the needs of various users. It is widely used in various fields of metallurgy, machinery, petroleum, chemical industry, power stations, light industry, food, environmental protection, national defense and scientific research environment and various corrosive fluids.



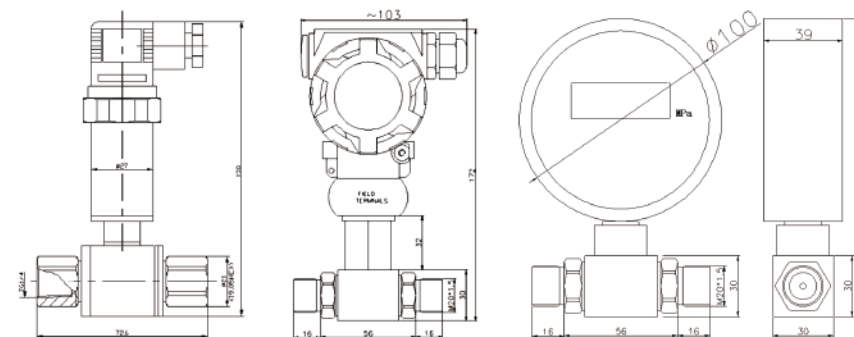
Features

- All stainless steel/die-cast aluminum design structure, lightweight and easy to install
- The sensor is a diffused silicon piezoresistive differential pressure sensor with SS316L isolation diaphragm
- After temperature compensation and aging selection, the performance is stable and reliable
- 4-Digit LED/LCD display

Performance Parameter

Pressure Range	0~3.5MPa
Output Signal	4-20mA/0-10V/RS485
Power Supply	10~30VDC
Accuracy	0.5%F.S
Operating Temperature	-10°C~80°C
Medium Temperature	-40°C~80°C
Overload	≤2 times the rated pressure
Thread	G1/4/ G1/4/ NPT1/4 / NPT1/2

Dimensions



Ordering Guide

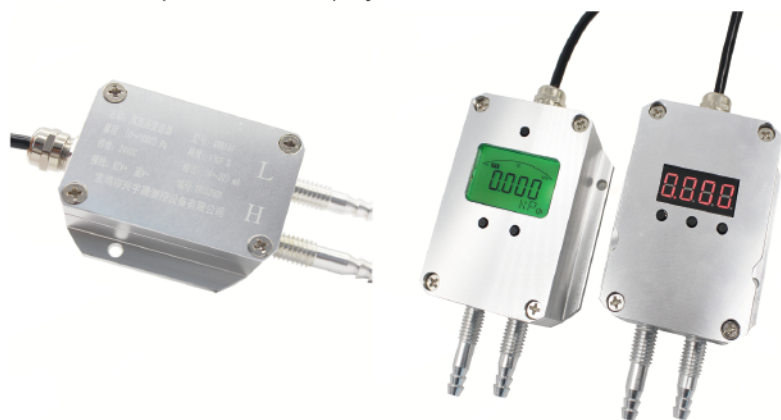
PS16X	General Differential Pressure Transmitter	
0	Code	Display
	X=0	Non-Display
	X=2	LED/LCD (2088 Shell)
	X=4	LED(Stainless Steel Shell)
1	Code	Output
	I	4-20mA
	R	RS485
	V5	0-5V
5MPa	V10	0-10V
	Code	Measuring Range
	(0-X)MPa	X (Actual required range)
5	Code	Accuracy
	5	0.5%F.S
6	Code	Thread
	G14	G1/4
	NPT14	NPT1/4
	G12	G1/2
	NPT12	NPT1/2
	G38	G3/8
S4	Customized	
	Code	Wetted Material
	S4	SS304
	S6	SS316L
	SP	PTFE
	SM	Special Materials

PS161/163

Air Differential Pressure Transmitter

Overview

PS161/163 air differential pressure transmitter is an intelligent instrument that integrates pressure measurement, display and transmission. This product uses an internationally advanced chip. Through careful compensation and adjustment of the sensor, the 4-digit LED/LCD display is clear. Easy to read, multi-button design makes operation simpler and more convenient. The shell adopts aluminum alloy structure, which has good sealing performance, vibration resistance, and stable and reliable performance. It is used to detect the micro-differential pressure of dry non-corrosive gases in boilers, coal, electric power and other industries and to measure the differential pressure of fire escape systems.



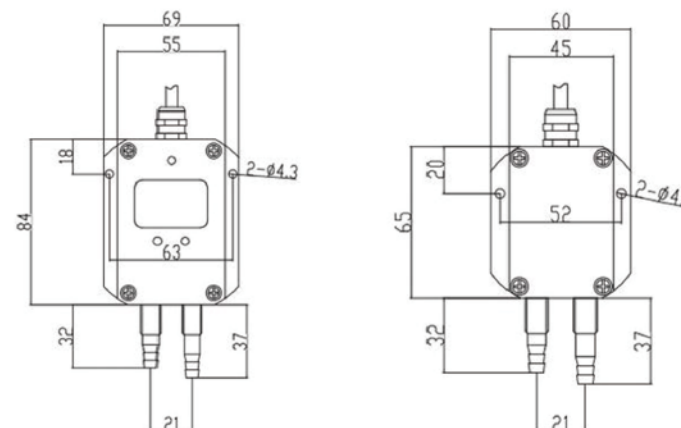
Features

- Zero point, sensitivity temperature full range compensation
- Measure dry, non-corrosive gases
- Full temperature range accuracy 0.5%
- 4-digit LED/LCD display

Performance Parameter

Differential Pressure Range	0~10kPa
Output Signal	4-20mA/RS485/0-10V
Power Supply	10~30VDC
Accuracy	0.5%F.S / 1%F.S
Operating Temperature	-10°C~80°C
Medium Temperature	-40°C~80°C
Pagoda head	6mm/8mm
Relative Humidity	≤80°C
Overload	150%
Temperature Excursion	±0.02%/°C
Long-term Stability	±0.2%F.S/Year
Protection	IP65

Dimensions



Ordering Guide

PS161/163 Air Differential Pressure Transmitter		
1	Code	Display
	1	Non-Display
	3	LED/LCD
I	Code	Output
	I	4-20mA
	R	RS485
	V5	0-5V
5kPa	V10	0-10V
	Code	Measuring Range
	(0-X)kPa	X (Actual required range)
5	Code	Accuracy
	5	0.5%F.S
	1	1%F.S
6	Code	Pagoda Head
	6	6mm
	8	8mm

PS18X

Sanitary Pressure Transmitter

Overview

PS18X Series Sanitary Pressure Transmitter is designed for food grade pressure measurement. The pressure diaphragm of transmitter is made with silicon material, while its wetted parts are made by 316 stainless steel which possesses a higher degree of resistance against chemical corrosion. It can meet the need of different controllers used in industrial automation processes, including 4~20mA, 0~5V/10V, RS485. It is widely used in milk, food, beverage, pharmaceutical and other industries



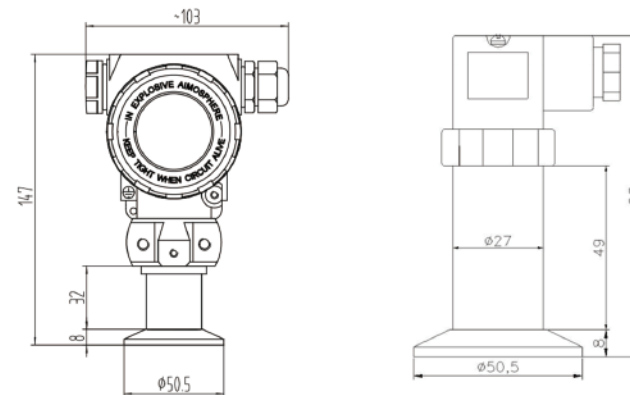
Features

- 316L flush diaphragm, Tri-clamp connection
- Sanitary type, anti-scaling
- Short-circuit protection, reverse polarity protection
- Good leakproofness, long-term stable working
- Multi output signal options, customized design

Performance Parameter

Pressure Range	0~10MPa
Output	4-20mA/RS485/0-5V/0-10V/4-20mA+HART
Power Supply	10~30VDC
Accuracy	0.5%F.S
Installation	50.5mm (1.5 ") 64mm(2 ")
Overload Pressure	150%FS
Operating Temperature	-10°C~80°C
Medium Temperature	-40°C~80°C
Relative Humidity	≤80°C
Temperature Excursion	±0.02%/°C
Long-term Stability	±0.2%F.S/Year
Protection	IP65

Dimensions



Ordering Guide

PS180/182	Sanitary Pressure Transmitter	
0	Code	Type
	0	QYB180(Hersman)
	2	QYB182(LED/LCD)
I	Code	Output
	I	4-20mA
	R	RS485
	V5	0-5V
	V10	0-10V
5MPa	H	4-20mA+HART
	Code	Measuring Range
	(0-X)MPa	X (Actual required range)
W	Code	Display
	W	Non-Display
	X	LED
	Y	LCD
5	Code	Clamp Size
	C5	50.5mm(1.5 ")
	C6	64mm(2 ")

PS400

High Precision Pressure Transmitter

Overview

PS400 intelligent pressure transmitter adopts a modular design with a microprocessor as the core and advanced digital isolation technology in circuit design, making the instrument highly anti-interference and stable. The built-in temperature sensor compensates the transmitter, improves measurement accuracy, reduces temperature drift, and has the characteristics of good long-term stability, high reliability, and strong self-diagnosis capability. Structurally, users can easily calibrate, set and configure the transmitter through the HART communication handheld terminal. It measuring pressure and level in pipes and tanks, electricity/city gas, pulp/paper, for furnace pressure, etc.



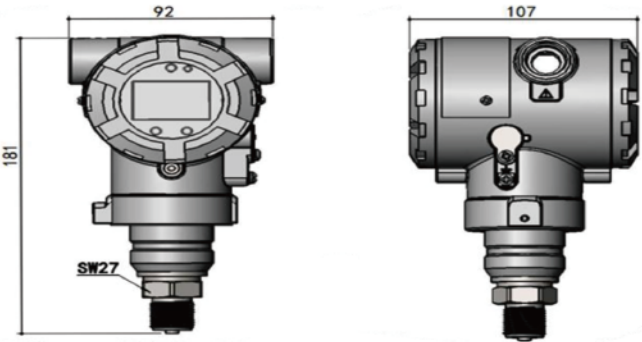
Features

- High accuracy
- Import high-precision monocrystalline silicon sensor chip, accuracy $\leq \pm 0.05\%$.
- Strong load resistance
- Double overload protection diaphragm design, single overvoltage can reach 25MPa.
- Excellent environmental adaptability
- Intelligent static pressure compensation and temperature compensation eliminate the influence of temperature, static pressure and overload on the transmitter, minimizing the comprehensive measurement error on site.
- Excellent long-term stability
- Stability can be maintained at 0.1%F.S/10 years.
- The latest one-click clearing function does not affect the electrical protection level, making it safer and faster
- Flexible remote assistance debugging function
- Realize remote and local parameter setting function configuration through Hart or RS485 communication and panel buttons

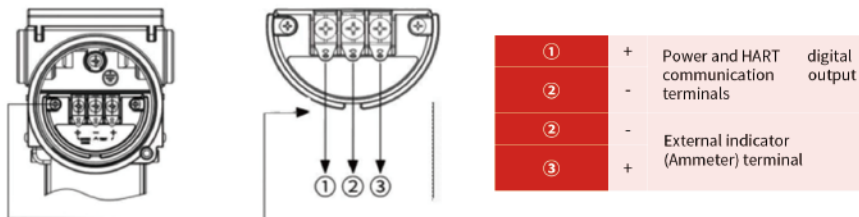
Performance Parameter

Measuring Medium	Measuring the pressure of liquids, gases or vapors
Measurement Type	Gauge Pressure/Absolute Pressure
Output	4~20mA+HART/RS485
Range	(0~0.6)KPa~6KPa/TD: 10:1 (0~2)KPa~40KPa/TD: 10:1 (0~2.5)KPa~250KPa/TD: 10:1 (0~10)KPa~1MPa/TD: 10:1 (0~30)KPa~3MPa/TD: 10:1 (0~0.1)MPa~10MPa/TD: 10:1 (0~0.21)MPa~21MPa/TD: 10:1 (0~0.4)MPa~40MPa/TD: 10:1
Accuracy	$\pm 0.05\%F.S./\pm 0.075\%F.S./\pm 0.1\%F.S.$
If TD>10 (TD=maximum range/adjustment range)	$\pm (0.005*TD)\% / \pm (0.0075*TD)\% / \pm (0.01*TD)\%$
Ambient Temperature Effect	The total influence at (-25~+65)°C is $\pm (0.15*TD+0.05)\%Span$
Overvoltage Effects	$\pm 0.075\%Span$
long Term Etability	$\pm 0.1\%Span/3year$
Power Supply Impact	0.001%/10V(12~36)V DC,Negligible
Insulation Resistance	More than 100MΩ to ground (DC500V)
Dielectric Strength	AC 500V50/60Hz to ground, 1 minute
Ambient Temperature	-40~+85°C -20~+65°C(With display)
Alarm Current Goes Offline	3.6mA
Alarm Current Goes Online	21mA
Process Temperature	-40~125°C
Storage Temperature	-40~+85°C -20~+65°C(With display)
Isolation Diaphragm	SS316L/Hastelloy C-276/Tantalum/Overgild
Process Connection Material	SS304/SS316L
Nuts And Bolts	SS(A2-70)/Galvanized carbon steel(12.8)
Pressure Transmitter Housing	Aluminum alloy material, surface sprayed with epoxy resin/Stainless Steel materials
Sealing Ring	Nitrile rubber (NBR), fluorine rubber (FKM), polytetrafluoroethylene (PTFE)
Housing Seal	Nitrile rubber
Filler	Silicone oil, edible oil, FL oil
Electrical Connections	M20*1.5 cable sealing buckle, terminal block suitable for (0.5~2.5)mm² wires
Thread	NPT1/2F NPT1/2M G1/2M M20*1.5F
Protection Level	IP65, IP67 (explosion-proof type)
Weight	1.6Kg (without mounting bracket, process connection accessories)

Dimensions



Electrical connection diagram



Electromagnetic Compatibility Environment

- Electromagnetic Compatibility Schedule
- The performance of this product complies with the requirements of the European EMC directive "Electromagnetic Compatibility Directive 2002/108/EC" standard.
- EN61326-1:2006 Class A (industrial area)

Serial Number	Test Experiment	Basic Standards	Test Conditions	Performance Level
1	30~230MHz	EN55011:1998 +A1:1999/+A2:2002 (Group I Class A)	40dB(μV/m) quasi-peak, measured at a distance of 10 meters	\
2	230~1000MHz		47dB(μV/m) quasi-peak, measured at 10 meters distance	\

- Anti-interference requirements
- EN61326-1:2006 Table2(industrial area)

3	Electrostatic Discharge	IEC 61000-4-2:1995 +A1:1998+A2:2001	2/4KV(contact) 2/4/8KV(Air)	B
4	Electromagnetic field	IEC 61000-4-3:2002 +A1:2002	10V/m(80~1000MHz) 3V/m(1.4~2.0GHz) 1V/m(2.0~2.7GHz) 80%Am(1KHz)	A
5	Rated Power Frequency Electromagnetic Field	IEC 61000-4-8:1993 +A1:2001	30A/m 50/60Hz	A
6	Burst	IEC 61000-4-4:2004	2KV	B
7	Surge	IEC 61000-4-5:1995 +A1:2001	1.2/50μs(Voltage) 8.0/20μs(Current) 0.5/1kV Fire Wire - Fire Wire 0.5/1/2kV Fire Wire - Bottom Wire	B
8	Conducted RF	IEC 61000-4-6:1996+A1:2001	0.15~80MHz 3V 80%AM(1KHz)	A

Performance standard definition:

- A: During the measurement process, it meets the standard performance index requirements.
- B: During the measurement process, there is a temporary performance degradation or loss of function/performance, but it can recover on its own.

Ordering Guide

PS400	High Precision Pressure Transmitter	
GP/AP	Code	Connection Type
	GP/AP	Thread
	GT/AT	Process type single flange(DN25~DN150)
	GF/AF	Direct-connected remote flange(DN25~DN150)
GP	Code	Pressure Type
	GP	Gauge Pressure
	AP	Absolute Pressure
OB	Code(Range)	
	OB (0~0.6)KPa~6KPa	OG (0~3.0)KPa~3MPa
	OC (0~2)KPa~40KPa	OH (0~0.1)MPa~10MPa
	OE (0~2.5)KPa~250KPa	OI (0~0.21)MPa~21MPa
	OF (0~10)KPa~1MPa	OJ (0~0.4)MPa~40MPa
E	Code	Output
	E	4~20mA+HART
	R	RS485
C1	Code Thread	
	C1 M20X1.5(M) end seal	C7 NPT1/8(M)
	C2 M20X1.5(M)waterline seal	C8 NPT1/8 (F)
	C3 G1/4(M)	C9 NPT1/4 (M)
	C4 G1/4(F)	C10 NPT1/4(F)
	C5 G1/2 (M)end seal	C11 NPT1/2(M)
	C6 G1/2(M)waterline seal	C12 NPT1/2(F)
S	Code	Isolation Diaphragm
	S	SS316L
	C	HC-276
	T	Tantalum
	L	Titanium
	G	SS316L gold plated
G	Code	Sensor Filling fluid
	G	Silicone oil
	F	Fluorine oil
	S	Edible oil
E0	Code	Explosion-proof Certification
	E0	Non-explosion Proof
	E1	Exia) IIBT6Ga
	E2	Exdb CT6Gb
	E3	Extd A21IP67 T85°C
W	Code	Mounting Brackets
	W	No mounting bracket
	U	Elbow bracket, stainless steel

PS401

High Precision Differential Pressure Transmitter

Overview

PS401 monocrystalline silicon differential pressure transmitter adopts a monocrystalline silicon sensor chip made of Germany's advanced MEMS technology. It has a double-diaphragm structure and combines with exquisite production technology to achieve high accuracy and ultra-high stability of the product. The built-in intelligent signal processing module realizes the perfect combination of pressure and temperature compensation, providing reliable measurement accuracy and excellent long-term stability under a wide range of static pressure and temperature changes.



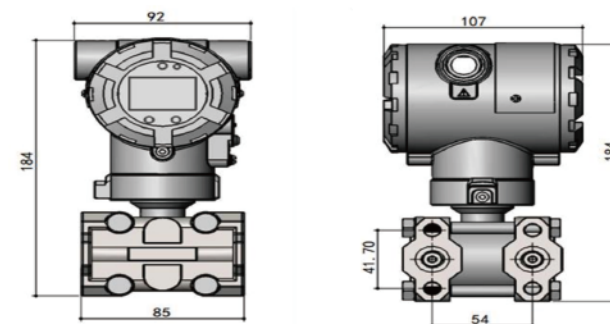
Features

- High-precision grade, German high-precision monocrystalline silicon sensor chip, accuracy $\leq \pm 0.05\%$
- Strong load resistance, double overload protection diaphragm design, single overvoltage up to 42MPa
- Intelligent static pressure compensation and temperature compensation eliminate the influence of temperature, static pressure and overload on the transmitter, minimizing the comprehensive test error on site.
- Stability can be maintained at 0.1FS%/10 years. Flexible remote assistance debugging function
- Remote and local parameter setting function configuration can be realized through Hart or RS485 communication and panel buttons.
- Suitable for petroleum/chemical/fossil industry, matched with throttling device to provide accurate flow measurement of pressure and liquid level in pipelines and storage tanks.
- Electricity/city gas, places requiring high stability and precision in pressure, flow, liquid level measurement, etc.
- Pulp/paper industry, etc., used in furnace pressure, negative pressure measurement and other places that require high stability and high precision measurement.
- Mechanical equipment/shipbuilding, used to strictly control pressure, flow, liquid level, etc.

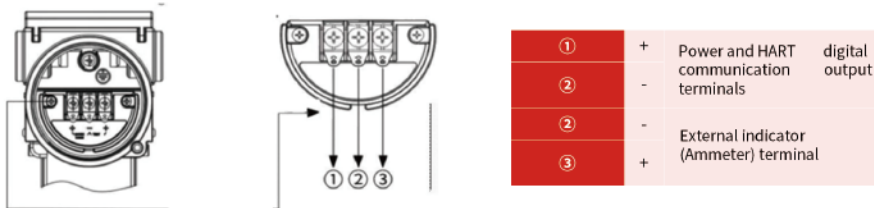
Performance Parameter

Measuring Medium	Measuring the pressure of liquids, gases or vapors
Measurement Type	Differential pressure measurement, absolute pressure measurement
Output	4~20mA+HART/RS485
Range	(0~0.6)KPa~6KPa/TD: 10:1
	(0~2)KPa~40KPa/TD: 10:1
	(0~2.5)KPa~250KPa/TD: 10:1
	(0~10)KPa~1MPa/TD: 10:1
	(0~30)KPa~3MPa/TD: 10:1
Accuracy	$\pm 0.05\%F.S./\pm 0.075\%F.S./\pm 0.1\%F.S.$
If TD>10 (TD=maximum range/adjustment range)	$\pm(0.005*TD)\% / \pm(0.0075*TD)\% / \pm(0.01*TD)\%$
Ambient Temperature Effect	The total influence at (-25~+65)°C is $\pm(0.15*TD+0.05)\%*Span$ The total influence at (-40~+25)°C and (+65~+85)°C is $\pm(0.2*TD+0.05)\%*Span$
Overvoltage Effects	$\pm 0.075\%*Span$
Long Term Stability	$\pm 0.1\%*Span/10year$
Power Supply Impact	0.001%/10V(12~36)V DC, Negligible
Insulation Resistance	More than 100MQ to ground (DC500V)
Dielectric Strength	AC 500V50/60Hz to ground, 1 minute
Ambient Temperature	-40~+85°C -20~+65°C(With display)
Alarm Current Goes Offline	3.6mA
Alarm Current Goes Online	21mA
Process Temperature	-40~125°C
Storage Temperature	-40~+85°C -20~+65°C(With display)
Isolation Diaphragm	SS316L/Hastelloy C-276/Tantalum/Overgild
Process Connection Material	SS304/SS316L
Nuts And Bolts	SS(A2-70)/Galvanized carbon steel(12.8)
Pressure Transmitter Housing	Aluminum alloy material, surface sprayed with epoxy resin/Stainless Steel materials
Sealing Ring	Nitrile rubber (NBR), fluorine rubber (FKM), polytetrafluoroethylene (PTFE)
Housing Seal	Nitrile rubber
Filler	Silicone oil, edible oil, FL oil
Electrical Connections	M20*1.5 cable sealing buckle, terminal block suitable for (0.5~2.5)mm ² wires
Thread	NPT1/2" G1/2" M20*1.5F
Protection Level	IP65, IP67 (explosion-proof type)
Weight	2.6Kg (without mounting bracket, process connection accessories)

Dimensions



Electrical connection diagram



Electromagnetic Compatibility Environment

- Electromagnetic Compatibility Schedule
- The performance of this product complies with the requirements of the European EMC directive "Electromagnetic Compatibility Directive 2002/108/EC" standard.
- EN61326-1:2006 Class A (industrial area)

Serial Number	Test Experiment	Basic Standards	Test Conditions	Performance Level
1	30~230MHz	EN55011:1998 +A1:1999/+A2:2002 (Group1 Class A)	40dB(μV/m) quasi-peak, measured at a distance of 10 meters	\
2	230~1000MHz		47dB(μV/m) quasi-peak, measured at 10 meters distance	\

- Anti-interference requirements
- EN61326-1:2006 Table2(industrial area)

3	Electrostatic Discharge	IEC 61000-4-2:1995 +A1:1998+A2:2001	2/4KV(contact) 2/4/8KV(Air)	B
4	Electromagnetic field	IEC 61000-4-3:2002 +A1:2002	10V/m(80~1000MHz) 3V/m(1.4~2.0GHz) 1V/m(2.0~2.7GHz) 80%Am(1KHz)	A
5	Rated Power Frequency Electromagnetic Field	IEC 61000-4-8:1993 +A1:2001	30A/m 50/60Hz	A
6	Burst	IEC 61000-4-4:2004	2KV	B
7	Surge	IEC 61000-4-5:1995 +A1:2001	1.2/50μs(Voltage) 8.0/20μs(Current) 0.5/1kV Fire Wire - Fire Wire 0.5/1/2kV Fire Wire - Bottom Wire	B
8	Conducted RF	IEC 61000-4-6:1996+A1:2001	0.15~80MHz 3V 80%AM(1KHz)	A

Performance standard definition:

A: During the measurement process, it meets the standard performance index requirements.

B: During the measurement process, there is a temporary performance degradation or loss of function/performance, but it can recover on its own.

Ordering Guide

PS401	High Precision Differential Pressure Transmitter	
DP	Code	Connection Type
	DP	Intelligent differential pressure transmitter
	DL	Single flange level transmitter(DN25-DN150)
	DF	Single flange remote differential pressure transmitter(DN25-DN150)
	DWF	Double flange remote transmission differential pressure transmitter(DN25-DN150)
P2	Code	Fixed Work Stress
	P2	16MPa
	P3	25MPa
	P4	42MPa
OB	Code(Range)	
	OB (0~0.6)KPa~6KPa	OF (0~10)KPa~1MPa
	OC (0~2)KPa~40KPa	OG (0~3 0)KPa~3MPa
	OE (0~2.5)KPa~250KPa	
E	Code	Output
	E	4~20mA+HART
	R	RS485
L1	Code	Electrical Interface Selection
	L1	Aluminum alloy shell, electrical interface M20*1.5
	L2	Aluminum alloy shell, electrical interface NPT1/2
	G1	Stainless steel 316L shell, electrical interface M20*1.5
	G2	Stainless steel 316L housing, electrical interface NPT1/2
S	Code	Isolation Diaphragm
	S	SS316L(Related wetted parts SS304)
	H	SS316L(Related wetted parts SS316)
	C	HC-276(Related wetted parts SS316)
	T	Tantalum(Related wetted parts SS316)
	I	Titanium(Related wetted parts SS316)
	G	SS316L gold plated(Related wetted parts SS316)
G	Code	Sensor Filling Fluid
	G	Silicone oil
	F	Fluorine oil
	S	Edible oil
E0	Code	Explosion-proof Certification
	EO	Non-explosion proof
	E1	Exia IIBT6Ga
	E2	Exdb ICT6Gb
	E3	Extd A2IIP67 T85°C
W	Code	Mounting Brackets
	W	No mounting bracket
	P	Tablet mounting bracket
	Z	Right angle mounting bracket
T0	Code	Thread
	T0	1/4 NPT(F)
	T1	1/4NPT-M20*1.5(M)-φ14 pressure tube (1 set)
	T2	1/4NPT-M20*1.5(M) T-type joint-φ14 pressure tube (1 set)
	T3	1/4NPT-1/2NPT(F) waist connector
	T4	1/4NPT-G1/2(F) waist connector
	T5	Three Valves Manifold

PS100R

Hammer Union Pressure Transmitter

Overview

PS100R Hammer Union pressure transmitter is designed for a variety of drilling and well servicing applications including cementing, choke and kill, BOPs, and hydraulic fracturing in shale oil and shale gas formations. It has a standard 2-inch 1502 oil union interface, enhanced shock and vibration resistance, a wide operating temperature, Static accuracy is 0.5%FS over ranges to 0-140MPa. and RS485 4-wire and 4-20mA 2-wire output.



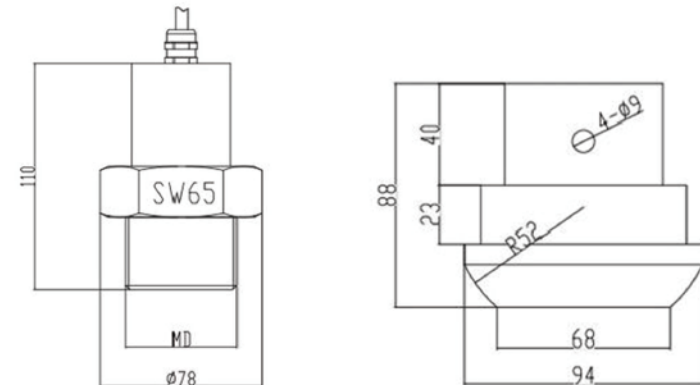
Features

- 4-20 mA(2-wire Output)RS485(4-wire Output)
- 0.5% Accuracy
- Shock & Vibration Resistant
- Zero & Span Adjustments
- All-welded Construction
- Standard 2-inch 1502 oil union interface

Performance Parameter

Pressure Range	0~140MPa
Output Signal	4~20mA
Power Supply	24V±20%
Accuracy	≤±0.5%FS
Operating Temperature	-10℃~80℃
Storage Temperature	-40℃~85℃
Overload	200%FS
Temperature Drifting	±0.02%FS/℃

Dimensions



Ordering Guide

PS100R	Hammer Union Pressure Transmitter	
0-140MPa	Code	Measuring Range
	(0-X) MPa	X (Actual required range)
P	Code	Installation Method
	P	PG7
	H	Aviation Plug
M	Code	Output Signal
	M	4-20mA
	R	RS485

PSW102

Digital Pressure Switch

Overview

PSW102 Digital Pressure Switch is LED displayed for pressure testing and control. It has a complete electronic structure. Used Oil-filled piezoresistive pressure sensor as sensing element. The output is processed by high-precision and low-temperature drift amplifier, then transformed by high-accuracy A/D converter into digital signal that could be processed by MPU (Micro Processor Unit). The processed signals control two switches then to test and control the pressure. It is widely used in hydroelectricity, city water, oil, chemical, machinery, hydraulic system etc.

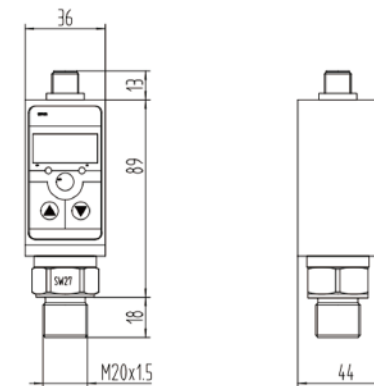
Features

- 4 Digit LED display, easy observation
- With flexible application, simple handling, easy debugging and high reliability
- Switch point can be set between zero to full scale freely
- User friendly operation
- 2 line switch output PNP/NPN, load capacity is 1.2A
- Analog signal output (4~20mA)

Performance Parameter

Measuring Range	-0.1~0~100Mpa
Switch Type	PNP/NPN
Power Supply	10~30VDC
Accuracy	0.5%F.S
Thread	M10*1/G1/2/G1/4/G1/8/NPT1/2/NPT1/4/NPT1/8(Customizable)
Output	Two-way switch+4~20mA
Load Capacity	<24V1.2A
Response Time	<4ms
Display	4-digit digital tube
Shell Material	Aluminium die casting
Overload	150%
Operating Temperature	-10°C~80°C
Medium Temperature	40°C~80°C (≥80°C Cooling Part)
Relative Humidity	≤80°C
Temperature Excursion	±0.02%/°C
Long-term Stability	±0.2%F.S/Year
Protection	IP65

Dimensions



Ordering Guide

PSW102	Digital Pressure Switch	
P	Code	Switch Type
	P	PNP
	N	NPN
5	Code	Accuracy
	5	0.5%F.S
5MPa	Code	Measuring Range
	(0-X)MPa	X (Actual required range)
G14	Code	Thread
	G14	G1/4
	NPT14	NPT1/4
	G12	G1/2
	NPT12	NPT1/2
	G38	G3/8
S4	Code	Wetted Material
	S4	SS304
	S6	SS316L
	SP	PTFE
	SM	Special Materials

PSW103

Smart Digital Pressure Switch

Overview

PSW103 Smart Pressure Switch is an intelligent digital pressure switch. It integrates functions of measuring, display, output and control all in one. Which offers a multitude of advantages in comparison with mechanical pressure switches. It has impressive features such as greater accuracy, long-term stability and high number of switching cycles. The smart pressure switch is used in hydroelectricity, city water, oil, chemical, machinery, hydraulic system etc.



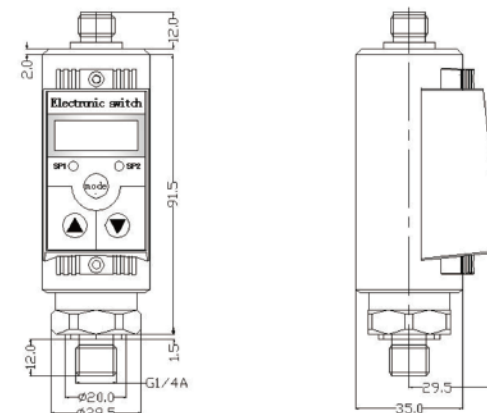
Features

- Can be rotated 330° in the longitudinal axis and display
- Tight installation spaces
- 4-digit LED display, adjustable via keypad
- 2 PNP-transistor switching outputs
- Load capacity is 1.2A
- Analog signal output (4~20mA)

Performance Parameter

Measuring Range	-0.1~0~100Mpa
Switch Type	PNP/NPN
Power Supply	10~30VDC
Accuracy	0.5%F.S
Thread	M10*1/G1/2/G1/4/G1/8/NPT1/2NPT1/4/NPT1/8(Customizable)
Output	Two-way switch+4~20mA
Load Capacity	<24V1.2A
Response Time	<5ms
Display	4-digit digital tube
Shell Material	SS304
Overload	150%
Operating Temperature	-10°C~80°C
Medium Temperature	-40°C~80°C (≥80°C Cooling Part)
Relative Humidity	≤80°C
Temperature Excursion	±0.02%/°C
Long-term Stability	±0.2%F.S/Year
Protection	IP65

Dimensions



Ordering Guide

PSW103	Smart Digital Pressure Switch	
P	Code	Switch Type
	P	PNP
	N	NPN
5	Code	Accuracy
	5	0.5%F.S
5MPa	Code	Measuring Range
	(0-X)MPa	X (Actual required range)
G14	Code	Thread
	G14	G1/4
	NPT14	NPT1/4
	G12	G1/2
	NPT12	NPT1/2
	G38	G3/8
S4	Customized	
	Code	Wetted Material
	S4	SS304
	S6	SS316L
	SP	PTFE
	SM	Special Materials

PSG104
Industrial Pressure Controller
Overview

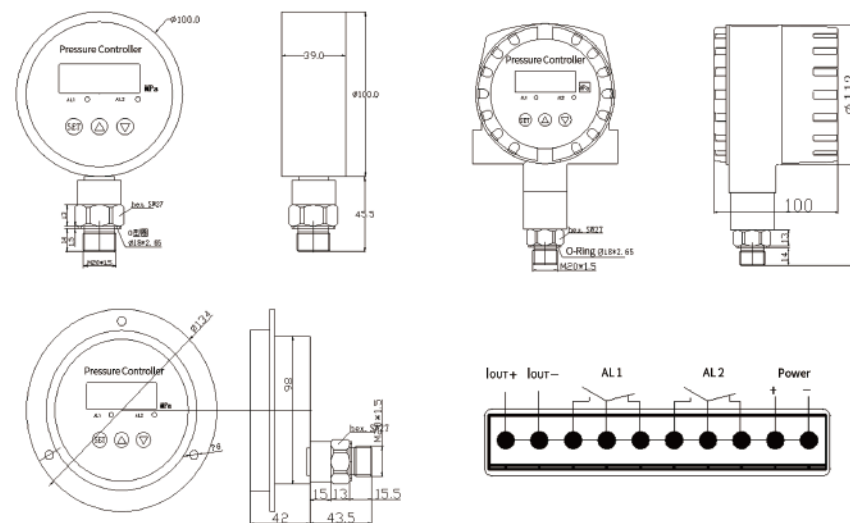
PSW104 is an intelligent digital display pressure measurement and control product that integrates pressure measurement, display, output and control. This product has a fully electronic structure. The front end adopts an oil-filled piezoresistive pressure sensor with an isolation diaphragm. It is converted by high-precision A/D, processed by a microprocessor, displayed on site, and outputs one analog value and two switching values. This intelligent digital pressure controller is flexible to use, simple to operate, safe and reliable. It is widely used in hydropower, petroleum, chemical industry, machinery, hydraulic and other industries to measure, display and control the pressure of fluid media on-site.


Features

- 100 standard instrument installation
- 4-digit LED display, no value error
- Control point setting on site
- Two control point relay outputs 220V/3A
- 4~20mA standard signal output (optional)
- Axial, radial, explosion-proof, multiple installation mode issues

Performance Parameter

Measuring Range	-0.1~0~100Mpa
Overload Capacity	150%
Stability	≤0.1%/year
Display Method	0.56" digital tube
Response Time	<30ms
Relative Humidity	<80%
Accuracy Level	0.2%~0.5F.S
Pressure Type	Gauge/absolute pressure
Supply Voltage	24VDC/220VAC
Display Range	-1999~9999
Operating Temperature	-10°C~80°C
Medium Temperature	-40°C~80°C (≥80°C Cooling Part)

Dimensions

Ordering Guide

Industrial Pressure Controller		
PSW104/105	4	2-way switch+4~20mA
	5	4-way switch+4~20mA
R	Code	Switch Type
	R	Relay
J	Code	Mounting
	J	Φ100 radial
	Z	Φ100 axial
	B	Explosion-proof Shell
1 MPa	Code	Measuring Range
	(0-X)kPa or MPa	X is The Actual Required Range
D	Code	Power Supply
	D	24VDC
	A	220VAC
G14	Code	Thread
	G14	G1/4
	NPT14	NPT1/4
	G12	G1/2
	NPT12	NPT1/2
	G38	G3/8
S4	Code	Wetted Material
	S4	SS304
	S6	SS316L
	SP	PTFE
	SM	Special Materials

PSW300

OLED Pressure Switch

Overview

The main functions of PSW300 intelligent pressure switch include 4-20mA transmission output, two PNP switching outputs, and on-site display function. Using SMT technology and integrated design concept, it can provide constant voltage excitation and constant current excitation for the sensor. Its built-in microprocessor realizes adjustable settings of zero point, full scale, decimal point, control point and current setting through three-button programming, without any potentiometer adjustment. The whole machine is suitable for industrial-grade temperature environments and has strong anti-interference.

Features

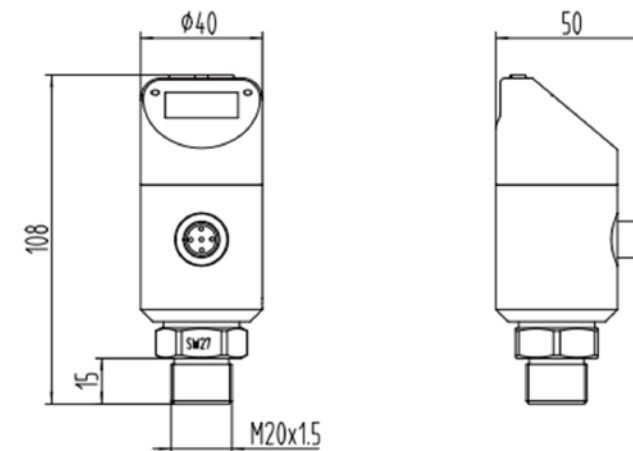
- Adopts OLED display, supports Chinese and English display modes
- Microprocessor is used to increase flexibility and enhance functions
- One channel analog + two channels switch dual mode output
- Supports two calibration methods: debugger and button; two calibration modes, two-point and three-point, are available
- Extremely low temperature drift, suitable for use in industrial environments of -40~85 degrees
- Very flexible switch point setting, automatic recognition of control direction, automatic insertion of hysteresis value
- The indicators far exceed similar products, and the anti-interference characteristics are excellent



Performance Parameter

Measuring Range	-0.1...0-0.01...100MPa
Stability	≤ ±0.5%/year
Display Method	OLED
Power Range	10~30VDC
Switching Point Response Time	5mS
Output	2-way switch+4-20mA
Protection	IP65
Ambient Temperature	-10°C~80°C
Storage Temperature	≤ ±0.5%FS
Control Precision	±0.1%FS
Display Accuracy	-9999~99999
Display Range	IP65
Static Power	<12mA
Lead Method	M12 industrial connector
Load Capacity	<2A
Switch Life	>1000000 times
Medium Temperature	-40°C~80°C (≥80°C Cooling Part)
Relative Humidity	0~80%

Dimensions



Ordering Guide

PSW300	OLED Pressure Switch	
5MPa	Code	Measuring Range
	(0-X) MPa	X (Actual required range)
P	Code	Switch Type
	P	PNP
M	Code	Output
	M	Two-way Switch + 4-20mA(M12-5P)
G14	Code	Thread
	G14	G1/4
	NPT14	NPT1/4
	G12	G1/2
	NPT12	NPT1/2
	G38	G3/8
S4	Customized	
	Code	Wetted Material
	S4	SS304
	S6	SS316L
	SP	PTFE
	SM	Special Materials

PSG108/109

68mm Digital Pressure Gauge

Overview

PSW108/109 Intelligent Digital Pressure Gauge is electronic-structure and battery-powered, easy for installation. It has some benefits: flexible use, simple operation, easy debugging, safe, reliable etc. So they have been widely used in hydro-power, water, petroleum, chemical, mechanical, hydraulic and other industries to measure and display the pressure of the fluid medium.



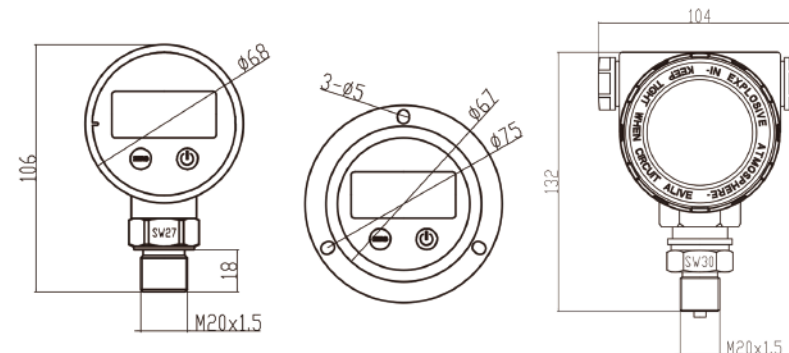
Features

- Large-screen LCD display, back light, high resolution, easy to read
- Automatically record the maximum pressure values during the measurement
- Pressure on the percentage of dynamic display, (the progress bar display)
- Five engineering units: psi, bar, kPa, MPa, kg / cm², 0 ~ 15min auto-off feature
- Micro-power consumption, work over 2 years in power-saving mode, 2000 hours continuous work
- Applicable to gases and liquids compatible with stainless steel
- Sampling rate: 4 times/second

Performance Parameter

Pressure Range	-0.1~0~100MPa
Overload Capacity	150%
Stability	≤0.1% /year
Display	LCD
Accuracy	0.5%F.S/0.2%F.S/0.1%F.S
Pressure Type	Absolute Pressure/Gauge Pressure
Battery Voltage	9VDC
Display Range	-1999~9999
Operation Temperature	-10°C~80°C (≥80°C Cooling Part)
Thread	G1/2 /G1/4/G1/8/NPT1/2/NPT1/4(Customizable)
Auto-shut Off	0-15 minutes
Relative Humidity	≤80%
Interface Material	Stainless Steel
Back Light	0-15 minutes

Dimensions



Ordering Guide

PSW108/109	68mm Digital Pressure Gauge	
(0-X)MPa	Code	Measuring Range
	(0-X)MPa	X is the actual requiry range
9	Code	Battery
	9	9V
1	Code	Installation Method
	1	Radial(Plastic housing)
	2	Radial(Stainless steel housing)
	3	Radial(Die-cast aluminum housing)
	4	Radial Rubber Sleeve(Plastic shell)
	5	Radial Rubber Sleeve(Stainless steel)
	6	Axial without Edge(Stainless steel housing)
G	7	Axial band Edge(Stainless steel housing)
	Code	Pressure Type
	G	Gauge Pressure
	A	Absolute Pressure
5	Code	Accuracy
	5	0.5%F.S
	2	0.2%F.S
	1	0.1%F.S
G14	Code	Thread
	G14	G1/4
	G12	G1/2
	NPT14	NPT1/4
	NPT12	NPT1/2
	G18	G1/8
	Customized	
S4	Code	Wetted Material
	S4	SS304
	S6	SS316L
	SP	PTFE
	SM	Special Materials

PSG188

100mm Digital Pressure Gauge

Overview

The PSG188 Digital pressure gauge is full electronic-structure and battery-powered. A high-precision piezo-resistive pressure sensor is used. It has benefits: flexible use, simple operation, easy debugging, safe, reliable etc. It is being widely used to measure and display the pressure of the medium in hydro-power, water, petroleum, chemical, mechanical, hydraulic and other industries.



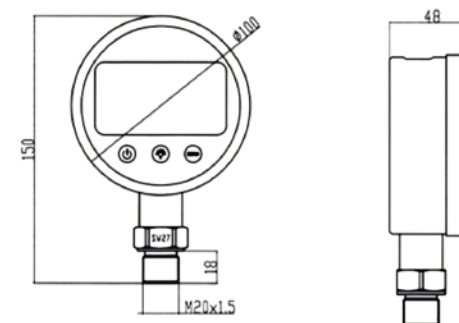
Features

- Size 100mm, stainless steel case
- Large-screen LCD display, high resolution, back light, easy to read
- Automatically record the maximum pressure values during the measurement
- Pressure on the percentage of dynamic display, (the progress bar display)
- 10 engineering units: psi, bar, kpa, Mpa, Pa, Kg_f (kg_f / cm²), MMH(mmH₂O), MH₂(mH₂O), torr, atm
- The collection rate is optional from 30 seconds/time to 100 times/second, which has a wider range of applications

Performance Parameter

Pressure Range	-0.1~0~100MPa
Accuracy	0.5%F.S/0.2%S.F/0.1%F.S/0.05%F.S
Battery	3.6VDC
Process Connection	M20*1.5,G1/2, G1/4 (Customized)
Pressure Type	Gauge pressure/Absolute pressure
Ambient Temperature	-20°C~70°C
Stability	≤0.1%/year
Relative Humidity	≤80°C
Overload Capacity	150%
Display Range	-19999~99999
Interface Material	SS316/304(Customized)

Dimensions



Ordering Guide

PSW188	100mm Digital Pressure Gauge	
{0-X}MPa	Code	Measuring Range
	{0-X}MPa	X is the actual require range
3.6	Code	Battery
	3.6	3.6V
1	Code	Installation Method
	1	Radial
	6	Axial
G	Code	Pressure Type
	G	Gauge Pressure
	A	Absolute Pressure
5	Code	Accuracy
	5	0.5%F.S
	2	0.2%F.S
	1	0.1%F.S
	005	0.05%F.S
G14	Code	Thread
	G14	G1/4
	G12	G1/2
	NPT14	NPT1/4
	NPT12	NPT1/2
	G18	G1/8
	Customized	
S4	Code	Wetted Material
	S4	SS304
	S6	SS316L
	SP	PTFE
	SM	Special Materials

PSG188T

Digital Pressure Gauge with Data Logger

Overview

PSW188T pressure gauge with data logger integrates high sensitivity pressure , high precision signal conditioning circuit , low power battery power management , and rich LCD display interface. Naturally strong anti-interference characteristics , it is an ideal intelligent instrument for pressure data collection, storage and transmission. It can record more than 260,000pcs data. It’ s suitable for oilfield , water conservancy, metallurgy, tap water and other industries.



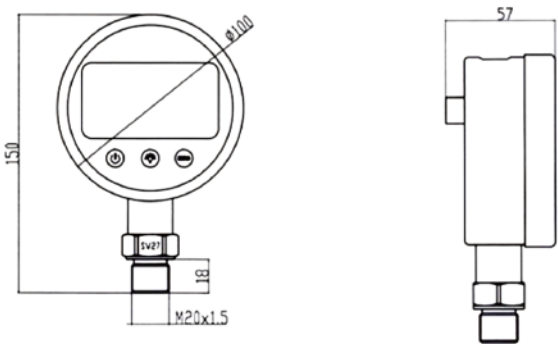
Features

- 100mm diameter, 5-bit real-time pressure display, one-button zero-clearing function
- 30 ~ 100 seconds per time acquisition speed
- With data logger, data software, USB connection, computer Debugging
- 260000 datas storage capacity, easy to carry and collect data
- 10 engineering units: psi, bar, kpa, Mpa, Pa, Kgf (kgf / cm2) , MMH(mmH2O), MH2(mH2O), torr, atm
- Explosion-proof design, waterproof design
- White backlight for easy night viewing
- Battery-powered, self-power off function, ultra-low power operation , battery life of 2-5 years.

Performance Parameter

Pressure Range	-0.1-0-250MPa
Accuracy	0.5%F.S/0.2%F.S
Battery	3.6VDC
Process Connection	M20*1.5, G1/2, G1/4 (Customized)
Pressure Type	Gauge pressure/Absolute pressure
Ambient Temperature	-10°C~80°C
Stability	≤0.1%/year
Relative Humidity	≤80°C
Overload Capacity	150%
Display Range	- 19999~99999
Interface Material	SS316/304(Customized)
Application	Oil, water or Gas
Warranty	12 months
Shell Protection	IP65
Product Weight	800g
Output Signal	USB
Picking Rate	30~100seconds/time

Dimensions



Ordering Guide

PSW188T	Digital Pressure Gauge with Data Logger	
(0-X)MPa	Code	Measuring Range
	(0-X)MPa	X is the actual requiry range
3.6	Code	Battery
	3.6	3.6V
1	Code	Installation Method
	1	Radial
G	Code	Pressure Type
	G	Gauge pressure
	A	Absolute pressure
5	Code	Accuracy
	5	0.5%F.S
	2	0.2%F.S
G14	Code	Thread
	G14	G1/4
	G12	G1/2
	NPT14	NPT1/4
	NPT12	NPT1/2
	G18	G1/8
	Customized	
S4	Code	Wetted Material
	S4	SS304
	S6	SS316L
	SP	PTFE
	SM	Special Materials

PRESSURE

PSG128

Micropressure Gauge

Overview

PSW128 Differential pressure gauge indicates the pressure of tested gas by pointer, It can test positive, negative and differential pressure. It's widely used in measuring the pressure of fan, filter resistance, wind speed, furnace pressure, bubble water level and pressure of liquid amplifier or hydraulic system, etc., and also used for air gas ratio control and automatic valve control in combustion process, medical and health care, microelectronics, aerospace, environmental protection engineering, biological engineering, pharmaceutical, building intelligence, HVAC.



Features

- The shell of this product is cast with all aluminum, and the magnetic moving screw vortex rod mechanism in the table fundamentally eliminates the friction generated by gear transmission (won the national practical patent product);
- Transparent PC cover, good permeability is ensured and the protection performance is also guaranteed;
- Easy Installation, two sets of pressure ports (side and back), 3 installation methods for free and flexible application;
- Excellent anti-vibration, anti-jitters performance.

Performance Parameter

Pressure Range	-68~103KPa
Medium	Air and non-combustible, compatible gases (optional gas)
Housing Material	Cast aluminum housing or ABS shell, glass beveled panels. Dark gray coating, can withstand 168 hours salt spray test

Appearance Dimension	120.65 mm X 55.6mm
Accuracy	2% FS(mm units, and the range with the corresponding pa)
Temperature Range	20 to 140 ° F (-6.67 to 60 ° C)
Hole Size	11.4mm
Mounting Orientation	Diaphragm in vertical
Connections	same 1/8 "NPT high and low pressure fittings, one pair on the side, one pair in the back
Standard Accessories	two 1/8 "NPT threaded connectors for high and low pressure fittings can be connected with a rubber tube; two 1/8" NPT plug for blocking the remaining two high and low pressure ports; three a threaded countersunk mounting coupling(mounting ring, according to buckle holder for three interfaces to replace MP and count on attachments HP)
Weight	560g

Dimensions



Ordering Guide

PSW128	Micropressure Gauge	
2	Code	Accuracy
	2	2%F.S
1KPa	Code	Measuring Range
	(0-X)Kpa	X (Actual required range)
8	Code	Connection
	8	1/8 NPT

PSG138

Clean Room Differential Pressure Gauge

Overview

PSW138 Differential Pressure Gauge has super sensitivity and long-term stability, easy to install, Liquid crystal display, The reading is clear and accurate. Wall-mount and recessed installation are optional. It is compact and sturdy, light in weight and easy to install. It is suitable for air and non-flammable, non-corrosive gas, insensitive to moisture dust condensation oil with high measurement accuracy and good stability. It is widely used in clean room and medical equipment for the measurement of differential pressure.



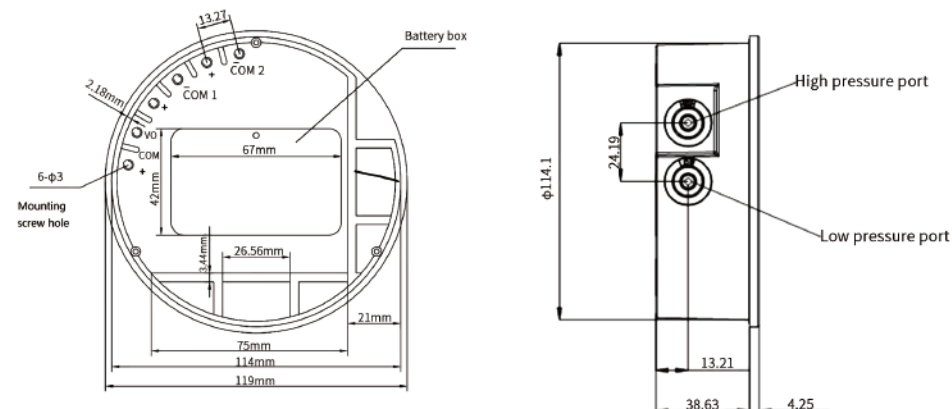
Features

- Can detect positive pressure, negative pressure and difference pressure;
- No moving parts, shockproof;
- Suitable for embedded installation, plane installation and other installation methods;
- Zero calibration, unit switching, relay setting, range calibration

Performance Parameter

Pressure Range	0-10KPa
Display	LCD
Accuracy	0.5% F.S./1.1%F.S
Medium Temperature	0-60°C
Shell	ABS
Working Temperature	-20-85°C
Process Connection	Lateral Direct Airway Connection
Long Term Stability	±0.5%FS /Year
The Response Time	10s
The Power Supply	22-26V DC
Protection	IP65
Weight	Around 260g

Dimensions



Ordering Guide

PSW138 Clean Room Differential Pressure Gauge		
I	Code	Output
	I	4-20mA
	V5	0-5V
	V10	0-10V
	R	RS485
5	Code	Accuracy
	1	1%F.S
	5	0.5%F.S
1kPa	Code	Measuring Range
	(0-X)Kpa	X (Actual required range)
D	Code	Power Supply
	D	24VDC