

### Pressure Gauge

#### Stainless Steel Case Pressure Gauge



SC

SC pressure gauge has various size and installation type for selection, which is suitable for measuring slight corrosive media that compatible with copper alloy. Particularly used in hydraulics, compressors, general mechanical engineering, pumps, water treatment plants.

▼ Size: Ø1.5", Ø2", Ø2.5", Ø3", Ø4", Ø6"

▼ Installation type: Bottom mount (A), bottom mount with flange (B), back mount (centric thread)(ADC), back mount (eccentric thread) (ADE), bottom mount with flange (centric thread)(BDC), back mount with flange (eccentric thread)(BDE), back mount with U-clamp (centric thread)(UDC), back mount with U-clamp (eccentric thread)(UDE), back mount with flange and U-clamp (centric thread)(UBDC), back mount with flange and U-Clamp (Eccentric thread) (UBDE)

▼ Pressure connection: Material: copper alloy; Thread size: 1/8", 1/4", 3/8", 1/2"; Thread type: BSPT, NPT, PF

▼ Accuracy: ±2%F.S.(Ø1.5", Ø2"), ±1.5% F.S.(Ø2.5"~ Ø6")

#### All Stainless Steel Pressure Gauge



SUS

Various size and installation type for selection. It applicable to measure slight corrosive media that compatible with stainless steel. Particularly used in chemical, petrochemical, food industry, biochemistry and any rush industries.

▼ Size: Ø1.5", Ø2", Ø2.5", Ø3", Ø4", Ø6", Ø8", Ø10"

▼ Installation type: Bottom mount(A), bottom mount with flange(B), back mount (centric thread)(ADC), back mount (eccentric thread)(ADE), back mount with flange (centric thread)(BDC), back mount with flange (eccentric thread)(BDE), back mount with U-clamp (centric thread)(UDC), back mount with U-clamp (eccentric thread)(UDE), back mount with flange and U-clamp (centric thread)(UBDC), back mount with flange and U-clamp (eccentric thread)(UBDE)

▼ Pressure connection: Material: SS316; Thread size: 1/8", 1/4", 3/8", 1/2"; Thread type: BSPT, NPT, PF

▼ Accuracy: ±2%F.S.(Ø1.5", Ø2"), ±1.5%F.S.(Ø2", Ø3"), ±1.0% F.S. (Ø3" ~ Ø10")

#### Can Vacuum Tester



CVT

Special purpose for detecting the vacuum degree of cans, the bottom material PTFE/PP is optional, and the gauge bottom has penetrating needle.

▼ Size: Ø2.5"

▼ Pressure connection: Material: Copper alloy; 1/4"PF

▼ Pressure range: -76cmHg ... 0cmHg

▼ Accuracy: ±2%F.S.

▼ Ring: Stainless steel, screw fixed

▼ Case: SS304

## Digital Pressure Gauge (General Type)



DPG-3.0

DPG-3.0 can record the highest pressure value, CE certification, protection grade IP65. Wide range of applications, can be applied to a variety of workplace.

- ▼ Size: Ø3"(75.5mm)
- ▼ Pressure connection: Material: SS304L; Thread spec.: 1/4"NPT < standard > , 1/4"PT < option > < Other thread spec. are available made-to-order >
- ▼ Screen display: 4-digit LCD
- ▼ Screen size: 30mm\*14.5mm
- ▼ Accuracy: ±0.25%F.S. (@22°C), ±0.5%F.S. (0°C~50°C)
- ▼ Power supply: 9V battery, 24V external power supply
- ▼ Case: ABS

## Digital Pressure Gauge



DPG-S2.5

DPG-S2.5 pressure gauge has no movable parts, it has long service life. High stability pressure sensor with high accuracy measurement makes it suitable for measuring gas and liquid pressure on medical equipment or pneumatic machine.

- ▼ Size: Ø2.5"(66mm)
- ▼ Pressure connection: Material: SS304; 1/4"PT, 1/4"NPT < Other thread spec. are available made-to-order >
- ▼ Screen display: 4-digit LCD with blue backlight
- ▼ Screen size: 46mm\*15mm
- ▼ Accuracy: ±0.5%F.S.
- ▼ Power supply: 1.5V battery\*2 < standard > , 5~12VDC external power supply < option >
- ▼ Case: Reinforced plastic ABS

## 2.5" Digital Micro Pressure Gauge



DMPG-A2.5

Special gauge for micro-pressure measurement, it can clear reading value and can switch four kinds of micro pressure units. Rubber case is optional for better protection.

- ▼ Size: Ø2.5"(68mm)
- ▼ Pressure connection: Material: SS304L, Laser welding; Thread size: 1/8"; Thread type: BSPT, NPT, PF
- ▼ Screen display: 4-digit LCD display with yellow backlight
- ▼ Screen size: 33mm\*15mm
- ▼ Accuracy: ±0.5%F.S. (@22±3°C), ±1.0%F.S. (0°C~50°C)
- ▼ Power supply: 3V battery (CR123A, 1400mAh)
- ▼ Case: ABS

## Digital Pressure Gauge (General Type)



DPG-2.5

DPG-2.5 is an economic cost, convenient use and high performance digital pressure gauge, suitable for various instrument. It adopts latest temperature compensation technology to ensure ±1.0%F.S. accuracy within 0~5000psi pressure measurement.

- ▼ Size: Ø2.5"
- ▼ Installation type: Bottom mount < standard > , Back mount < option >
- ▼ Pressure connection: Material: Stainless steel < standard > , copper alloy < option > ; Thread size: 1/4" < standard > , 1/8" < option > ; Thread specification: NPT, PT
- ▼ Power supply: CR123A battery (3.0V, 1400mAh)
- ▼ Screen display: 4-digit LCD display with backlight function
- ▼ Accuracy: ±0.5%F.S. (@22°C) , ±1.0%F.S. (0°C~50°C)
- ▼ Case material: Plastic

## Differential Pressure Gauge

### All Stainless Steel Differential Pressure Gauge (Bellow type)



MDX

Adopts bellow as pressure sensor, which is suitable for measuring the differential pressure of liquid, gas and steam from same or different pressure source.

▼ Size: Ø4", Ø6"

▼ Installation type: Bottom Intersection (I), Bottom parallel (P), Bottom parallel with flange (PB), Back parallel (B), Back parallel with flange (BB)

▼ Pressure connection: Material: SS316; Thread size: 1/2"; Thread type: BSP, NPT  
< Other thread spec. are available made-to-order >

▼ Pressure range: 0 ... 0.1 to 50bar

▼ Accuracy: ±3%F.S. < standard > , ±2%F.S. < option >

▼ Maximum static pressure: ≤100bar < standard > , 200bar < option > , 400bar < option >

### Differential Pressure Gauge (Magnetic Piston Type)



MDH-90EXC

Adopts all stainless steel reed piston sensing components, it covers micro pressure, low, medium and high differential pressure ranges. The scales are measured and the accuracy is reliable.

▼ Size: Ø2.5", Ø3", Ø4", Ø4.5", Ø6"

▼ Installation type: Left-right side mount (LR), Bottom mount (A), Back mount (AD)

▼ Connection material: Magnetic piston: SS316, Diaphragm: Aluminum alloy;  
Thread size: 1/4", 1/2"; Thread type: BSP(F), NPT(F)

< Other thread spec. are available made-to-order >

▼ Accuracy: ±3%F.S. < standard > , ±2%F.S. < option >

▼ Static pressure: ≤100bar < standard > , 200bar < option > , 400bar < option >

### All Stainless Steel Differential Pressure Gauge (Diaphragm Type)



MDD

MDD is mainly use for the positive and negative pressure port of the filter. It is suitable for measuring differential pressure of liquid level, pump inlet and outlet, oil pipeline, pipeline gas and pressurize pump station.

▼ Size: Ø4", Ø6" < Other dial face size is available made-to-order >

▼ Installation type: Bottom mount(A), bottom mount with front flange(B), horizon connection(C1), vertical connection(C2)

▼ Pressure connection: Material: SS304; Thread size: 1/2";  
Thread type: NPT, PF (Female thread)

▼ Thread hole pitch (Calculate from the center of thread): 54mm < standard > , 37mm < option >

▼ Differential pressure range: 0...0.25 to 25bar

▼ Accuracy: ±2.5%F.S. < standard > , ±1.6%F.S. < option >

▼ Maximum static pressure: ≤100bar < standard > , 200bar, 400bar < option >

### Digital Precision Differential Pressure Gauge



AT803-D

The accuracy of AT803-D digital precision differential pressure gauge is up to 0.05%, which is suitable for high precision micro differential pressure measurement such as on-site and laboratory pressure measurement and calibration.

▼ Size: Ø3.5"(95mm)

▼ Process connection: High and low pressure port: Ø4 mm test hose x2

▼ Differential pressure range: Min: 60Pa, Max.: 10kPa  
Compound pressure available

▼ Power supply: 3.6V lithium battery, AA batteries x3, Input DC 9V (2A) adapter

▼ Screen display: 5-digit LCD, 6-digit LCD

▼ Pressure unit: mmH<sub>2</sub>O, mmHg, inH<sub>2</sub>O, Pa, kPa, mbar

## Pressure Switch

### Remote Reading Thermometer with Electrical Contact



FTC series

The remote reading thermometer equipped with a buzzer, a flashing indicator or a relay to remote control and monitor connected facility.

▼ Size: Ø3", Ø4", Ø6"

▼ Installation type: Back mount with flange (FTFFC), Back mount with U-clamp (FTFUC), Wall mount with flange (FTWFC)

▼ Temperature connection: Material: SS304; 1/2"PT, 3/8"PT, With swivel nut

▼ Stem: Material: SS304, SS316; Length: 150mm <standard>;

Outer diameter: 12mm <Other outer diameter / length are available made-to-order >

▼ Temperature range: Min.-50°C, Max.+650°C

▼ Temperature accuracy: ±1.0%F.S.

### Pressure Gauge with Electrical Contact (Magnetic Snap-action Switch Type)



ECM

ECM pressure gauge with magnetic snap-action switch contact SPST is used to control the connected facility, ensuring field safety operation.

▼ Size: Ø3", Ø4", Ø6"

▼ Installation type: Bottom mount (A), Bottom mount with flange (B), Back mount with flange (Eccentric thread)(BDE)

▼ Pressure connection: Material: SS316; Thread size: 1/4", 3/8", 1/2"; Thread type: BSPT, NPT, PF

▼ Wiring type: Visual wiring (FL), Visual magnet base with junction box (JB), Concealed magnet base with junction box (H) (Only available for Ø4&Ø6")

▼ Accuracy: ±2.5%F.S. <Standard >, ±1.6%F.S. <Option >, ±1.0%F.S. <Option >

### Simple Differential Pressure Switch



ATHLD

ATHLD is an economical different pressure switch, it can be widely used and provides installation bracket (L-shape rack).

▼ Pressure connection: Material: chromed brass, No O-ring sealed

Thread size: 1/4", 7/16"

▼ Thread type: SAE, UNF

▼ Operating pressure: Max.30bar

▼ Switch type: SPDT

▼ Operating voltage: 240V

▼ Ring: ABS (white), Screw fixed

### Digital LCD Pressure Switch



DPS-K3.0

Economic long service life, one or two set of built-in relay are selectable, adjustable upper and lower limit value, easy wiring, simple operation.

▼ Size: Ø3"(80mm)

▼ Installation type: Bottom mount, back mount

▼ Pressure connection: Material: SS304, 1/4"PT, 1/4"NPT, M20\*1.5 <Other thread spec. are available made-to-order >

▼ Pressure range: Min.: -0.1MPa, Max.: 100MPa

▼ Power supply: DC: 12V, 24V <standard >, AC: 220V, 380V <option >

▼ Case: ABS <standard >, Stainless steel <option >

# Pressure Transmitter

## Pressure Transmitter with Display (General Type)



PT-CD

Adopts high stability piezoresistive pressure sensor and high performance transmitter-specific circuits, available for long-distance signal transmission.

▼ Pressure connection: M20\*1.5, G1/2", M14\*1.5, G1/4"(M), G1/4"(F), 1/2"NPT, 1/4"NPT, 1/4"PT; Material: SS304

▼ Electrical connector: Hirschmann connector with LCD display unit

▼ Pressure range: -100kPa...0~10kPa...100MPa

▼ Pressure type: Gauge pressure, sealed pressure, absolute pressure, compound pressure

▼ Output signal: 4~20mA, 1~5V, 0~5V

▼ Accuracy:  $\pm 0.5\%$ F.S. < standard >,  $\pm 0.3\%$ F.S. < option >

## Pressure Transmitter for High Temperature



PT-HT

Especially design for high temperature media measurement. High temperature resistance sensor and cooling fin are adopted to ensure high temperature measurement with stable performance.

▼ Pressure connection: M20\*1.5, G1/2"; Material: SS304

▼ Electrical connector: Hirschmann connector, cable outlet

▼ Pressure type: Gauge pressure, sealed gauge pressure, absolute pressure

▼ Pressure range: -0.1MPa...0~35kPa...100MPa

▼ Output signal: 4~20mA, 1 to 5V, 0 to 5V

▼ Power supply: 24VDC, 12VDC

▼ Accuracy:  $\pm 0.5\%$ F.S. < standard >,  $\pm 0.3\%$ F.S. < option >

## Flush Diaphragm Pressure Transmitter



FDPT Series

Flush diaphragm pressure transmitter adopts flush connection design. The blind space has been eliminated to prevent impurity generated, making FDPT series transmitter suitable for corrosive or viscous media pressure measurement.

▼ Type: FDPT(Standard), FDPT-HT(High temperature)

▼ Process connection: Material, SS316L; Thread spec.: G1/2"; flush connection, rubber O-ring sealed

▼ Electrical connection: Hirschmann connector DIN43650, cable outlet

▼ Pressure range: 0...1 to 100bar

▼ Output signal: 2-wire: 4~20mA, 3-wire: 0-5V, 0-10V

▼ Accuracy:  $\pm 0.5\%$ F.S. < standard >,  $\pm 0.25\%$ F.S. < option >,  $\pm 0.1\%$ F.S. < option >

## Clamped Flush Diaphragm Pressure Transmitter



FDPT-500 Series

Adopts a piezoresistive silicon pressure sensor with the flush diaphragm as its measuring elements. The blind space has been eliminated to prevent impurity or viscosity generated. Suitable for the sanitary required environment such as food, pharmaceuticals, and wine industry.

▼ Pressure connection: Flush diaphragm connection; Material: SS316L, spec.: 2", 2.5", 3" clamp

▼ Electrical connector: Hirschmann connector, 2088 housing

▼ Pressure range: 0...70kPa to 10MPa

▼ Pressure type: Gauge pressure, absolute pressure, sealed pressure

▼ Power supply: 12, 24VDC

▼ Output signa: 2-wire: 4~20mA, 3-wire: 0-5V, 0-10V

▼ Accuracy:  $\pm 0.5\%$ F.S.

# Thermometer

## Bimetal Thermometer (Adjustable Angle Type)



BTA

Adopts bimetallic measuring elements. The angle of installation can be adjusted, the stem length and outer diameter can be customized, which makes it suitable for various industrial environment.

- ▼ Size: Ø3", Ø4", Ø5", Ø6"
- ▼ Installation type: Adjustable angle installation
- ▼ Temperature connection: Material: SS304; Thread size: 1/4", 3/8", 1/2", 3/4", 1"; Thread type: BSPT, NPT, PF
- ▼ Stem: Material: SS304, SS316; Outer diameter: 6.35mm; Length: 63mm ~ 2032mm
- ▼ Temperature range: Min.-50°C, Max.+600°C
- ▼ Temperature accuracy: ±1.5%F.S. < standard > , ±1.0%F.S. < option >

## Bimetal Thermometer (Back Mount Type)



BTT

BTT back mount type thermometer adopts bimetallic measuring elements with wide temperature measurement range (-50 to 600°C). Stem length and outer diameter can be customized upon request, which makes it suitable for various industrial environment.

- ▼ Size: Ø1", Ø1.5", Ø2", Ø2.5", Ø3", Ø4", Ø5", Ø6"
- ▼ Installation type: Back mount
- ▼ Process connection: Material: SS304; Thread size: 1/4", 3/8", 1/2", 3/4", 1"; Thread type: BSPT, NPT, PF
- ▼ Stem: Material: SS304, SS316; Outer diameter: 6.35mm; Length: 63mm ~ 2032mm
- ▼ Temperature range: Min.-50°C, Max.+600°C
- ▼ Temperature accuracy: ±1.5%F.S. < standard > , ±1.0%F.S. < option >

## Industrial Glass Thermometer (for autoclave type)



FDT

FDT thermometer are specially designed for high temperature sterilization equipment in food, pharmaceutical, and canning industry. The thermometer may have an optimum application with remote recording thermometer and pressure gauge.

- ▼ Size: 9"
- ▼ Stem: Material: Stainless steel; Length: 64mm
- ▼ Process connection: 3/4"PT
- ▼ Temperature range: Min.80°C, Max:135°C
- ▼ Measuring elements: Thermal expansion linearity of mercury
- ▼ Accuracy: ±0.5°C

## 6" / 6.5" Industrial Glass Thermometer



PGL6

Adopts liquid expansion as measuring elements. The glass tube is filled with organic liquid exclude mercury.

- ▼ Size: 6"
- ▼ Installation type: 90° angle installation
- ▼ Stem: Material: copper alloy; outer diameter: 9.5mm
- ▼ Stem connection: Material: copper; thread: 3/4" \*16, without thread
- ▼ Thermowell: Material: copper alloy, SS304; thread spec.: 1/2" PT; length include thread: 48mm, 58mm
- ▼ Liquid-in-glass: Red organic liquid
- ▼ Temperature accuracy: ±1.0%F.S.

# Diaphragm Seal

## Sanitary Diaphragm seal (Clamp type)



DS500

It is internally filled with vegetable oil and meets food grade standards. Applicable to food, beverage, pharmaceutical, biochemical, biotechnology and other places.

- ▼ Structure: All-welded type, clamp type
- ▼ Liquid-filling: Vegetable oil
- ▼ Connection size: DN20...DN100
- ▼ Connection spec.: ISO 2582, DIN 32676, ASME BPE
- ▼ Pressure range: Min.1bar, Max.40bar
- ▼ Protection level: IP68

## Sanitary Diaphragm seal (Female thread type)



DS400-F

Filled-in vegetable oil and meets food-grade standards. The bottom of flush diaphragm is open and no dead end of cleaning. Applicable to food, beverage, pharmaceutical, biochemical, biotechnology and other places.

- ▼ Structure: All-welded type, female thread type
- ▼ Liquid-filling: Vegetable oil
- ▼ Connection size: DN25...DN100
- ▼ Connection spec.: DIN 11851, SMS 681, IDF/ISS BS4825, RJT/APV BS4825
- ▼ Pressure range: Min.1bar, Max.40bar
- ▼ Protection level: IP68

## Diaphragm for Homogenizer (Flush diaphragm type)



DS350

Diaphragm for homogenizer, suitable for measurement of corrosive, viscous, crystalline and impurity-containing media. The bottom of flush diaphragm is open and no dead end of cleaning. The inside of the diaphragm is filled with vegetable oil, which meets food-grade standards and is suitable for food manufacturing such as beverages and dairy products.

- ▼ Flush diaphragm outer diameter: Ø23.5mm
- ▼ Flange size: 42mm\*95mm (2-hole flange), 80mm\*89mm (4-hole flange)
- ▼ Installation type: 2-hole flange (open type), 2-hole flange (close type), 4-hole flange (close type)
- ▼ Connection size: 3/4"(DN20), 1"(DN25)
- ▼ Pressure range: Min.100bar, Max.600bar
- ▼ Protection level: IP68

## Single Flange Diaphragm (General type)



DS300

Suitable for corrosive, acidic, crystalline, viscous, high temperature, sewage, heavy oil, concrete, impurities and other fluids, suitable for use in petrochemical plants, chemical plants, paper mills, sewage treatment, dye coatings and other places.

- ▼ Structure: All-welded type, single flange
- ▼ Liquid-filling: Glycerin, silicon oil
- ▼ Pressure range: Min. 1bar, Max. 60bar
- ▼ Protection level: IP68

## Integrated Diaphragm Pressure Gauge (PP Case Type)



PDSPL-S

PDSPL-S with integrated design, combined pressure gauge and diaphragm seal in one structure. Suitable for low corrosive, crystalized and viscous media measurement.

- ▼ Diaphragm: Ø2.5" (65mm)
- ▼ Installation type: Bottom mount
- ▼ Case cover: Black (diaphragm material: Viton), gray (diaphragm material: PTFE)
- ▼ Thread size: 1/2" , 1/4"
- ▼ Thread spec.: BSPT, NPT; male thread, female thread
- ▼ Pressure range: 0-10kg/cm<sup>2</sup> < standard > , max: 20kg/cm<sup>2</sup> < option >
- ▼ Accuracy: ±1.5%F.S.

## Accessory

### Thermowell



- ▼ Structure: Welded, all-in-one
- ▼ Material: copper, SS304, SS316
- ▼ Spec.: inner: 1/4", outer: 1/2"  
inner: 1/2", outer: 1/2"
- ▼ Length (include male thread):  
60mm, 80mm, 130mm  
< Can be customized depends on size >

### Syphon



- ▼ Material: Galvanized iron, SS304, SS316
- ▼ Type: Standard, U-type (90°), O-type (180°)
- ▼ Connection: 1/4", 3/8", 1/2"PT; male or female thread  
< Special spec. are available made-to-order >

### Cock (Ball Valve)



- ▼ Material: Copper plated, SS304, SS316
- ▼ Connection: 1/4", 3/8", 1/2" PT female thread  
< Special spec. are available made-to-order >

### Armored capillary



- ▼ Material: Inner copper outer stainless steel, both inner and outer stainless steel
- ▼ Length: 0.5 M ~15 M available made-to-order
- ▼ Connection: 1/4"; 3/8"; 1/2"  
PT, NPT, PF male/female thread  
< Special spec. are available made-to-order >

\*This catalogue is subject to change without notice.  
For more information please check our website

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