

Pressure Gauge

Stainless Steel Case Micro Pressure Gauge



MP-SC

MP Series pressure gauge is applicable to measure micro pressure of liquid and gas that compatible with copper alloy, it has higher accuracy and better protection level.

▼ Size: 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), back mount with flange (BDC), back mount with flange (eccentric thread) (BDE), back mount with U-Clamp (Eccentric thread) (UDE), 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 <Other thread type are available made-to-order>

▼ Applicable fluid: Liquid and gas that compatible with copper alloy

▼ Accuracy: ±3%F.S.(Ø2", Ø2.5", Ø3", Ø4"), ±2%F.S.(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")

Solid Front Pressure Gauge (Phenolic Resin Type)



SFPC

SPFC adopts special material phenolic resin. Its solid front design ensures operator's safety makes it suitable for industrial environment needs.

▼ Size: Ø4.5"

▼ Installation type: Bottom mount (A), bottom mount with flange (B)

▼ Pressure connection: Material: SS304, with O-ring sealed;

Thread size: 1/4", 1/2"; Thread type: BSPT, NPT, PF

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

▼ Ring: Material: phenolic resin, solid front design (removable)

▼ Applicable fluid: Liquid and gas that compatible with connection's material

▼ Accuracy: ±1.0%F.S.

Pressure Gauge with Peak Hold Pointer



PHPG

Peak hold pointer can indicate the peak pressure value, ensuring the safety management in field operation.

▼ Size: Ø2.5", Ø4"

▼ Installation type: Bottom mount (A), bottom mount with flange (B), back mount (centric thread) (ADC), Back mount with flange (centric thread)(BDC), Back flange with flange (eccentric thread)(BDE)

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

▼ Fluid temperature: +60°C(copper alloy type), +100°C(stainless steel type)

▼ Protection level: IP54 for dry type < standard > , IP65 for liquid-filled type < option >

▼ Accuracy: ±1.6%F.S. < standard > , ±1.0%F.S. < option >

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

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

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

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 (Double Bourdon Tubes Type)



MDB

Measured by two set of bourdon tube at the front and back sides, all stainless steel design and long service life.

▼ Size: Ø4", Ø6"

▼ Installation type: Bottom mount (A), bottom mount with frontflange (BF), bottom mount with backflange (BB)

▼ Pressure connection: Material: SS304, welded connection; Thread size: 1/2"; Thread type: PT, NPT, PF

▼ Thread hole pitch (Calculate from the center of the thread):

32mm<Standard>, 23mm<option>, 26.5mm<option>, 35mm<option>, 37mm<option>

▼ Differential pressure range: 0...1 to 60bar

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

▼ Maximum static pressure: 1*full scale

All Stainless Steel Differential Pressure Gauge (Single Diaphragm, Dual Bellows Type)



MDI-SDDB

MDI-SDDB adopts single diaphragm and dual bellows as measuring elements, suitable for same or different pressure sources measurement in non-crystallized and non-solidified liquid, gas and steam that compatible with connection's material.

▼ Size: Ø4", Ø6"

▼ Installation type: Bottom mount(A), bottom mount with back flange(B), back mount(ADC), back mount with front flange(BDC)

▼ Pressure connection: Material: SS304<Standard>, SS316<Option>; 1/2"NPT

▼ Thread hole pitch (Calculate from center of thread): 54mm

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

▼ Differential pressure range: 0...50 to 5000kPa

▼ Accuracy: ±2.0%F.S.<Standard>, ±1.6%F.S.<Option>

▼ Max. static pressure : 40bar

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.

Digital Pressure Switch



DPS-1.0

NPN/PNP alarm outputs are selectable, small size, suitable for limited space.

▼ Size: Ø1" (29.9mm)

▼ Pressure connection: Material: SS304L, With O-ring sealed; 1/8"PT (F), 1/8"NPT (F) <Other thread spec. are available made-to-order>

▼ Pressure range: 0...1 to 250bar

▼ Screen display: 4-digit LCD with backlight

▼ Power supply: DC 8-28V <Recommended voltage: DC 24V>

▼ Accuracy: ±1.0%F.S. (@0~50°C)

▼ Pressure unit: psi, bar, kg/cm², MPa

Intelligent LED Pressure Switch



SDPS-4ED(0.5)

SDPS-4ED(0.5) combines pressure measurement, display, and control in one, it has a variety of setting functions and easy to calibrate, suitable for pressure measurement, display and control in power plants, water, petroleum, chemical, engineering and other industrial environments.

▼ Size: Ø60, Ø100

▼ Installation type: Panel mount

▼ Connection: Material: SS316L, Welded structure; M20*1.5, M14*1.5, G1/2", G3/8", G1/4", 1/2"NPT, 1/4"NPT <Other thread spec. are available made-to-order>

▼ Alarm output: Relay*4, PNP, NPN

▼ Analog signal output: 4-20mA, 1-5V, 0-5V, 0-10V

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

▼ Accuracy: ±0.5%F.S. <standard>, ±0.25%F.S. <option>, ±0.1%F.S. <option>

Bimetal Thermometer with Electrical Contact (Back Mount Type)



BTTC

BTTC adopts sliding contact SPST, suitable for general industrial process temperature control applications. Wide temperature measurement range, stem length and outer diameter are available made-to-order.

▼ Size: Ø3", Ø4", Ø6"

▼ 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: 63.5mm ~ 2032mm

▼ Temperature range: Min.-50°C, Max.+600°C

▼ Temperature accuracy: ±1.5%F.S. <Standard>, ±1.0%F.S. <option>

Pressure Transmitter

Pressure Transmitter (General Type)



PT-VP

Adopts high stability piezoresistive pressure sensor and high performance transmitter special circuit to be used 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, Hirschmann with cable outlet, cable outlet, packard, BP3 aluminum case, aviation plug

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

▼ Output signal: 4~20mA, 1~5V, 0~5V, 0~10V, 0.5~4.5V

▼ Power supply: 24VDC, 12VDC

▼ Accuracy: $\pm 0.5\%$ F.S. <standard>, $\pm 0.3\%$ F.S. <option>, $\pm 0.1\%$ F.S. <option>

Differential Pressure Transmitter



DPT

DPT differential pressure transmitter adopts high sensitive piezoresistive silicon chip, which is a standard product for general differential pressure measurement.

▼ Pressure connection: M20*1.5, G1/2", 1/4"NPT, Sealed with O-ring; O-ring material: NBR <standard>, Viton <option>

▼ Electrical connecti: Hirschmann, Wire boot, Packard, Aviation plug

▼ Differential pressure range: 10kPa, 35kPa, 70kPa, 100kPa, 250kPa, 400kPa, 600kPa, 1MPa, 1.6MPa, 2.5Mpa

▼ Output signal: Two-wire system: 4~20mA, Three-wire sys: 0.5 ~ 4.5V

▼ Accuracy: $\pm 0.5\%$ F.S. <Option: others available upon requests>

Temperature Sensor



ATT-110

Designed for air compressor, quick response to ambient temperature change, suitable for measuring liquid and gas temperature or solid surface temperature in various industrial processes.

▼ Process connection: M20*1.5, R1/4, M12*1.5; Material: stainless steel <Other types are available, please specify your requests>

▼ Electrical connection: Cable outlet (2-wire), cable outlet (3-wire, standard), aviation plug

▼ Stem outer diameter: $\varnothing 4$, $\varnothing 5$, $\varnothing 6$, $\varnothing 8$, High temp. type(special): $\geq \varnothing 8$

▼ Temperature range: -50°C to 150°C <standard>, -50°C to 300°C <with cooling fin>

▼ Protection level: IP65 <standard>, IP68 <option>

Temperature Transmitter for Duct Type (2-wire analog output / digital output)



ATT-P4/D4 Series

Adopts stainless steel casing and German imported measuring elements, which can monitor temperature signal transmission. It is suitable for measuring gas, liquid, steam pressure and all kinds of corrosive media. It is widely used in food, medicine, petroleum, chemical industry, metallurgy, electric power, machinery, etc.

▼ Type: ATT-P4: 2-wire analog output, ATT-D4: digital output

▼ Connection: 1/4"PT male thread, 1/2"PT male thread <option: without thread, active thread, special thread are available made-to-order>

▼ Electrical connector: ATT-P4: Hirschmann DIN43650, ATT-D4: M12 Quick coupling

▼ Output signal: ATT-P4: 2-wire 4~20mA output, ATT-D4: Digital output

▼ Power supply: 10~30VDC

▼ Accuracy: $\pm 0.5\%$ F.S.

Thermometer

Bimetal Thermometer (Adjustable Angle Type)



BTA

Adopts bimetallic measuring elements, stem length and outer diameter can be customized upon request, which makes it suitable for various industrial environment.

▼ Size: Ø3", Ø4", Ø5", Ø6"

▼ Installation type: Adjustable angle installation

▼ 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 >

Bimetal Thermometer (Bottom mount)



BTI

Adopts bimetallic measuring elements, stem length and outer diameter can be customized upon request, which makes it suitable for various industrial environment.

▼ Size: Ø3", Ø4", Ø5", Ø6"

▼ Installation type: Bottom 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 >

Remote Reading Small Thermometer with Capillary



RT50 Series

Lightweight design, economical price, medium expansion thermometer, quick response ambient temperature, suitable for measuring temperature from a long distance.

▼ Size: Ø2"

▼ Mount type: Tenon design, secure on socket

▼ Stem: Material: copper alloy; Outer diamet: 1/4"(6mm); Length: 32mm

▼ Temperature range: Min.0°C, Max.120°C

▼ Temperature accuracy: ±3%F.S.

▼ Ring: Stainless steel Outside bayonet

Infrared Thermometer



AT8380

Compact, rugged and easy to use. Align to target object and press measure button, the target surface temperature can be measured less than 1 sec. It is especially suitable for hot or dangerous objects in remote distance.

▼ Dimension: 160mm*38mm

▼ Temperature range: Min.-50°C, Max.+850°C

▼ Display: 4-digit LCD Blue backlight on/off; Resolution: 0.1°C, 0.1°F

▼ Screen size: 24mm*24mm

▼ Power supply: 9V battery

▼ Accuracy: ±2°C, ±2°F.S.

6" / 6.5" Industrial Glass Thermometer



PGL6

PGL6 industrial glass thermometer adopts liquid expansion as measuring elements. The glass tube is filled with organic liquid exclude mercury.

Temperature range -10 ~ 200°C.

▼ Size: 6"

▼ Installation type: 90° angle installation

▼ Stem: Material: Copper; Outer diameter: 9.5mm

▼ Stem connection: Material: Copper alloy; Thread: 3/4" *16, without thread

▼ Thermowell: Material: Copper alloy, SS304;

Thread: 1/2" PT; length include thread: 48mm, 58mm

▼ Liquid-in-glass: Red organic liquid

▼ Temperature accuracy: ±1.0%F.S.

Diaphragm Seal

Threaded Diaphragm Seals (I-shape)



DS160(S)

Sealing diaphragm is generally installed with pressure gauges, switches, transmitters and other measuring instruments to isolate corrosive, crystallize, viscous media that will block or damage the pressure measurement system. Depend on the use of media, connected pressure gauge, temperature and other factors, different kinds of materials, oil, pressure range can be selected in order to make the diaphragm normal operation.

▼ Diaphragm outer diameter: Ø60mm

▼ Connection size: 1/4", 3/8", 1/2", 3/4", 1"

▼ Connection type: BSPT, NPT, PF (Male / female thread)

▼ Pressure range: Min.1bar · Max.60bar

▼ Protection level: IP67

All Weled Diaphragm (Threaded type)



DS170(W)

Applicable to corrosive and low crystallization fluid, suitable for petrochemical plants, chemical plants, paper mills, sewage treatment, dye coating and other places.

▼ Diaphragm outer diameter: Ø70 mm

▼ Connection size: 1/4" , 3/8" , 1/2" , 3/4" , 1"

▼ Connection type: BSPT, NPT, PF

▼ Pressure range: Min. 1bar, Max. 60bar

▼ Protection level: IP68

Theaded Diaphragm seal (Special material economic type)



DS180(S)

Applicable to corrosive and low crystallization fluid, suitable for petrochemical plants, chemical plants, paper mills, sewage treatment, dye coating and other places.

▼ Diaphragm outer diameter: Ø70 mm

▼ Connection size: 1/4" , 3/8" , 1/2" , 3/4"

▼ Connection type: BSPT, NPT, PF

▼ Pressure range: Min. 1bar, Max. 60bar

▼ Protection level: IP67

Single flange diaphragm (Teflon general lining type)



DS300-TL

The PTFE is sintered on the inner diameter of the flange and all metal surfaces. The general specification of the lining grade can be applied to various chemical industries and most types of applications.

- ▼ Structure: All welded type, single flange
- ▼ Liquid-filling: Glycerin, silicon-oil (depends on temperature)
- ▼ Pressure range: Min. 1bar, Mac. 60bar
- ▼ Accuracy: $\pm 2.5\% \text{F.S.}$ < Standard > , $\pm 1.5\% \text{F.S.}$ < option >
- ▼ 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: $\varnothing 2.5"$ (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: $0-10 \text{kg/cm}^2$ < standard > , max: 20kg/cm^2 < option >
- ▼ Accuracy: $\pm 1.5\% \text{F.S.}$

Accessory

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 >

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 >

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

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