



CATALOGO GENERAL



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In 1982, 2-3, Kitakame Cho, Yao City, Osaka Prefecture, Japan

Gauging your needs!

— Core Values & Corporate Mission —

Instruments are never just simple mechanical parts. They are the key to many automated productions, an important driving force behind the technology industry, and they affect the progress of modern society.

SJ Gauge believes that high-quality instruments can improve people's quality of life and promises to lead the instrument industry in Taiwan, contributing excellent products and services in the international market.

Sin Jia Enterprise (also called "SJ Gauge") was originally a one-man shop. Jeff Cheng, our founder, traveled to Japan in 1982 to study the professional techniques needed to craft industrial instruments. Went through the period in the 1980s, when Taiwan instruments was monopolized by foreign companies. After returning to Taiwan and founding SJ Gauge in 1998, he continued to learn and improve.

Since then, we have grown to specialize in industrial instruments, pressure gauges and thermometers. We produce a variety of gauges, including diaphragm seals, digital, low pressure, differential pressure and other pressure gauges. We also work with temperature sensing rods, expansion thermometers and bimetal thermometers. SJ Gauge takes "providing the best solution" as its first goal. In addition to instrument sales, we also provide a full range of customized services, serving thousands of clients all over the world.

Pressure Gauges



Pressure Gauges

Digital

Switch Contact

Differential Pressure

Low Pressure

Stainless Steel

SJ Gauge is a Taiwan-based supplier specializing in pressure measurement, smart pressure transmitters, and related measurement equipment and components. We are dedicated to providing high-quality, customized services to address our client's needs. We specialize in the customized design and assembly of parts for pressure gauges, as well as the maintenance and application of smart sensors for greater efficiency.

The product images displayed in the catalog are illustrative, and the actual products will be customized to your requirements.

Pressure Gauges

Digital



LCD Display



Touchpad



High Precision

Model	MXB	LTS	MXP
Connection Location	Bottom mount, back mount, with/without flange, bottom mount with cooling element	Bottom mount	Bottom mount
Nominal Size	2.5", 3", 4"	4"	4"
Scale Ranges	0 ... 5 kPa to 0 ... 100 MPa, or other equivalent units of pressure, vacuum or compound	0 ... 5 kPa to 0 ... 100 MPa, or other equivalent units of pressure, vacuum or compound	0 ... 40 kPa to 0 ... 100 MPa, or other equivalent units of pressure or vacuum
Accuracy	±0.4% F.S. (standard), ±0.2% F.S.	±0.4% F.S. (standard), ±0.2% F.S.	±0.1% F.S., ±0.05% F.S., ±0.025% F.S.
Pressure Units	MPa, kg/cm ² , bar, psi, mmH ₂ O, kPa, Pa, inWC, mbar, mH ₂ O, inHg, mmHg, Torr (Up to 8 units can be switched, if not specified, the engineer will select it according to the pressure range)	MPa, kg/cm ² , bar, psi, mmH ₂ O, kPa, Pa, inWC, mbar, mH ₂ O, inHg, mmHg, Torr (Up to 8 units can be switched, if not specified, the engineer will select it according to the pressure range)	kg/cm ² , mH ₂ O, kPa, mmHg, psi, bar, pa, MPa
Process Connection	304 SS 1/8", 1/4", 3/8", 1/2" PT, G, NPT, M	304 SS 1/8", 1/4", 3/8", 1/2" PT, G, NPT, M	304 SS 1/8", 1/4", 3/8", 1/2" PT, G, NPT, M
Medium Temperature	-35°C ... 60°C	-35°C ... 60°C	-35°C ... 60°C
Power Supply	2.5" bottom mount, 3": AAA battery*3 2.5" back mount, back mount with flange: AAA battery*4 4": AA battery*3 Optional external power supply: DC24V, DC5V, or with other transformers such as AC110V. You need to open the top cover to replace the battery of 2.5" back mount type.	AA battery*3 Optional external power supply: DC24V, DC5V, or with other transformers such as AC110V.	14500 chargeable lithium battery

Pressure Gauges

Digital



Compact

Electronic Contact

Display and Output Signal

Model	QD	MXE4	MXT
Connection Location	Angular, aviation, water-proof plastic (Cable outlet 1 M), water-proof metal (Cable outlet 1 M)	Bottom mount, back mount with/without flange	Bottom mount
Nominal Size	-	3", 4"	2.5"
Scale Ranges	0 ... 10 kPa to 0 ... 1000 bar, or other equivalent units of pressure, vacuum or compound	0 ... 10 kPa to 0 ... 1000 MPa, or other equivalent units of pressure, vacuum or compound	0 ... 5 kPa to 0 ... 100 MPa, or other equivalent units of pressure, vacuum or compound
Accuracy	±0.5% F.S. (standard) ±0.25% F.S.	±1.0% F.S. (standard), ±0.5% F.S.	±1.0% F.S. (standard), ±0.5% F.S.
Pressure Units	Any pressure units can be customized	3": MPa, kg/cm ² , kPa 4": MPa, kg/cm ² , kPa, psi	Any pressure units can be customized
Process Connection	304 SS (standard), 316 SS 1/8", 1/4", 3/8", 1/2" PT, G, NPT, M	304 SS 1/4", 1/2" PT, G, NPT, M	304 SS (standard), 316 SS 1/8", 1/4", 3/8", 1/2" PT, G, NPT, M
Medium Temperature	-35°C ... 60°C	-35°C ... 60°C	-35°C ... 60°C
Output Signal	4-20mA, 0-10V, 0-5V, RS485	When set points are below the set value, the 1st contact breaks, and the 2nd contact is made. When set points are exceeded, the 1st contact is made, and the 2nd contact breaks.	4-20mA

Pressure Gauges

Digital



Low/DP Transmitter

Multi-Output Signal

Analog Signal Output

Model	TWM11	TWM30	DRM108
Scale Ranges	0: -1000 ... 1000 Pa 2: -10000 ... 10000 Pa 6: -100 ... 100 Pa	0 type: -1000 ... 1000 Pa 2 type: -10000 ... 10000 Pa 6 type: -100 ... 100 Pa	Unidirectional: 0 ... 100 Pa, 0 ... 250 Pa, 0 ... 500 Pa, 0 ... 1000 Pa, 0 ... 2500 Pa, 0 ... 5000 Pa, 0 ... 10000 Pa Bidirectional: 0 ... ±50 Pa, 0 ... ±100 Pa, 0 ... ±250 Pa, 0 ... ±500 Pa, 0 ... ±1000 Pa, 0 ... ±2500 Pa, 0 ... ±5000 Pa, 0 ... ±10000Pa
Accuracy	±1.0% F.S.	±1.0% F.S.	±1.0% F.S.
Pressure Units	Pa, mmH ₂ O, mbar, inWC, mmHg, daPa, kPa, hPa	Pa, kPa, mbar, mmHG, inWC, mmWC	Pa
Medium Temperature	-10°C ... 60°C	-10°C ... 60°C	-40°C ... 85°C
Relay	-	2 SPDT RELAYS 3A@250VAC/30VDC	-
Output Signal	2-wire: 4-20mA 3-wire: 0-5VDC, 0-10VDC 4-wire: RS485 6-wire: 4-20mA & 0-5VDC, 4-20mA & 0-10VDC	None, 4-20mA & 0-10V, RS485	4-20mA (2-wire), 0-5VDC (3-wire), 0-10VDC (3-wire)

Pressure Gauges

Digital



RS485 Output Signal



Anti-corrosion Plastic Case



**Double-sided
LCD Display Screen**

Model	PRD-FEF	PRD-APP	PRD-DP
Scale Ranges	0 ... 10 kPa to 0 ... 1000 bar, or other equivalent units of pressure, vacuum or compound	0 ... 10 kPa to 0 ... 5 MPa, or other equivalent units of pressure, vacuum or compound	0 ... 2 MPa or other equivalent units of pressure, vacuum or compound
Accuracy	±1.0% F.S. (standard), ±0.5% F.S., ±0.25% F.S.	±1.0% F.S.	±1.0% F.S.
Pressure Units	Customizable, only one can be selected	Customizable, only one can be selected	MPa, kg/cm ² , bar, psi, mmH ₂ O, kPa, Pa, inWC, mbar, mH ₂ O, inHg, mmHg, Torr (Up to 8 units can be switched, if not specified, the engineer will select it according to the pressure range)
Process Connection	304 SS, 316 SS 1/8", 1/4", 3/8", 1/2" PT, G, NPT, M	PP G1/2"(F)	Thread: nylon; core: zirconia G1/2"(F)
Case/Ring	304 SS	Nylon	Nylon
Medium Temperature	-35°C ... 60°C	-20°C ... 70°C	-35°C ... 60°C
Output Signal	RS485	4-20mA, RS485	-

Pressure Gauges

Digital



Basic

Model	PRD-TG
Connection Location	Bottom mount
Nominal Size	2.5"
Scale Ranges	5 ... 175 psi, The value starts to display after 0.21 kg/cm2
Accuracy	±1.0% F.S.
Pressure Units	Psi, bar, kPa, kg/cm2
Process Connection	G1/4"
Medium Temperature	-10°C ... 50°C
Power Supply	AAA battery*2 (not included in delivery)

Pressure Gauges

Switch Contact



Mini Pressure Switch



3"



Euro

Model	MPS	PRE3	PRE4.H
Connection Location	Insert, cable out	Bottom mount, back mount, back mount with flange	Bottom mount, back mount with flange, back mount without flange
Nominal Size	none	3"	4", 6"
Scale Ranges	0~45 bar	0 ... 1 kg/cm ² to 0 ... 1000 kg/cm ² or other equivalent units of pressure, vacuum or compound	-76 cmHg ... 1000 kg/cm ² , or other equivalent units of pressure, vacuum or compound
Accuracy	±0.5~1.5 bar	±3.0% F.S.	CL 1.6
Process Connection	Brass, stainless steel 1/8", 1/4" PT, PF, NPT, UNF	316L SS 1/4", 3/8", 1/2" PT, G, NPT, M	316L SS 1/4", 3/8", 1/2" PT, G, NPT, M
Case/Ring	-	-	304 SS (standard), 316 SS
Medium Temperature	-50~120°C	-20°C ... 150°C	200°C (Max.) (unfilled) 100°C (Max.) (silicone oil filled)
Contact	Type: SPST(NO/NC), SPDT	Type: Single contact N.O. Single contact N.C. Double contacts N.O. (3-wire/4-wire) Double contacts N.O. + N.C. (3-wire/4-wire) Double contacts N.C. (3-wire)	Type: Single contact N.O., Single contact N.C., Double contacts N.O.x2, Double contacts N.O.+N.C., Double contacts N.C.x2

Pressure Gauges

Differential Pressure



Bellow Tube



All-metal Media Chamber

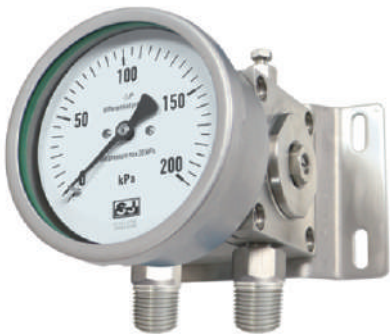


Duplex

Model	PRBD	PRDC	PRDD
Nominal Size	4", 6"	4", 6"	4"
Scale Ranges	0 ... 60 kPa to 2.5 MPa, or other equivalent units of pressure, vacuum or compound	0 ... 1.6 kPa to 0 ... 25 bar, or other equivalent units of pressure, vacuum or compound	0 ... 25bar, or other equivalent units of pressure, vacuum or compound
Accuracy	±2.5% F.S. (standard) , ±1.6% F.S.	±2.5% F.S. (standard), ±1.6% F.S.	±1.6% F.S.
Process Connection	2 x M20*1.5	2 x G1/4"(F)	2 x M14*1.5
Case/Ring	304 SS, 316 SS	304 SS (standard), 316 SS	Carbon steel
Medium Temperature	-40°C ... 100°C	-20°C ... 100°C	-30°C ... 70°C

Pressure Gauges

Differential Pressure



Double Diaphragm



Cryogenic Tanks



Low Pressure

Model	PRHD	PRLD	PRMD
Nominal Size	4", 6"	6"	4.5"
Scale Ranges	0 ... 10 kPa to 0 ... 600 kPa	0 ... 4 kPa to 0 ... 400 kPa	0 ... 3 mmH2O to 0 ... 5000 mmH2O, or other equivalent units of pressure or compound
Accuracy	±2.5% F.S. (standard), ±1.6% F.S.	±2.5% F.S., ±1.6% F.S., ±1.0% F.S.	±2% F.S. to ±4% F.S., upon scale range
Process Connection	2 x M20*1.5	2 x G 1/4"(F)	4 x 1/8"NPT(F)
Case/Ring	304 SS (standard), 316 SS	304 SS	Die-cast aluminum
Medium Temperature	+180°C Max.	-40°C ... +60°C with oxygen, -40°C ... +80°C	-7°C ... 60°C

Pressure Gauges

Differential Pressure



Mini

Model	PRMDS
Nominal Size	2.5"
Scale Ranges	0 ... 12 mmH2O to 0 ... 3500 mmH2O, or other equivalent units of pressure or compound
Accuracy	5%
Process Connection	2 x 1/8"NPT(F)
Case/Ring	Glass filled nylon
Medium Temperature	-6°C ... 49°C

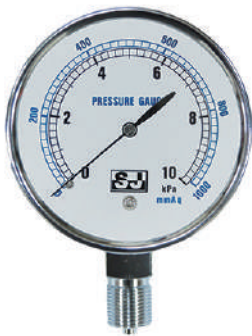


DP Switch

Model	PRSMD
Scale Ranges	20 ... 200 Pa, 30 ... 300 Pa, 40 ... 400 Pa, 50 ... 500 Pa, 100 ... 1000 Pa, 200 ... 1000Pa, 500 ... 2500 Pa, 1000 ... 5000Pa
Accuracy	±2% F.S.
Process Connection	6.0 mm pipe; P1 high pressure port, P2 low pressure port
Material	main body: PC; cover: PC; diaphragm: silicone; contact: silver
Medium Temperature	-20°C ... 85°C
Contact Type	SPDT AC type max.: 1.5 A/250 VAC DC type max.: 1 A/30 VDC

Pressure Gauges

Low Pressure



Iron case



Stainless Steel Case



Stainless Steel

Model	PRM	PRSM	PRSSM.TU
Nominal Size	2.5", 3", 4"	2.5", 3", 4"	2.5", 4", 6"
Scale Ranges	0 ... 300 mmAq to 0 ... 5000 mmAq, or other equivalent units of pressure, vacuum or compound	0 ... 300 mmAq to 0 ... 5000 mmAq, or other equivalent units of pressure, vacuum or compound	2.5": unfilled: 0 ... 2.5 kPa to 0 ... 100 kPa 4": unfilled: 0 ... 1 kPa to 0 ... 100 kPa filled: 0 ... 4 kPa to 0 ... 100 kPa 6": unfilled: 0 ... 0.5 kPa to 0 ... 100 kPa filled: 0 ... 2.5 kPa to 0 ... 100 kPa, or other equivalent units of pressure, vacuum or compound
Accuracy	ASME B40.1 Grade B $\pm 3/2/3\%$	ASME B40.1 Grade B $\pm 3/2/3\%$	$\pm 2.5\%$ F.S. (standard), $\pm 1.6\%$ F.S., $\pm 1.0\%$ F.S.
Process Connection	Chromium-plated copper 1/4", 3/8", 1/2" PT, G, NPT	Chromium-plated copper 1/4", 3/8", 1/2" PT, G, NPT	316L SS 1/8", 1/4", 3/8", 1/2" PT, G, NPT, M
Case/Ring	Iron, 2.5" Bottom mount: Black plating 2.5" Back mount: All chromium plated case, black iron case and chromium-plated bayonet ring 3", 4": All chromium plated case	304 SS	304 SS (standard), 316 SS
Medium Temperature	-20°C ... 60°C	-20°C ... 60°C	$\leq 100^\circ\text{C}$

Pressure Gauges

Low Pressure



Diaphragm

Model	PRSSM-LD
Connection Location	Male thread, male thread with contacts, flange type, flange type with contact
Nominal Size	4", 6"
Scale Ranges	0 ... 1 kPa to 0 ... 60 kPa, or other equivalent units of pressure, vacuum or compound
Accuracy	±2.5% F.S. (standard), ±1.6% F.S.
Case/Ring	Stainless steel
Medium Temperature	Maximum +100°C

Pressure Gauges

Stainless Steel



Laser Welding



Ultra High Pressure



Process Industry

Model	PRDR.W	PRHP	PRPC
Connection Location	Bottom mount, back mount, with/without flange	Bottom mount	Bottom mount, back mount
Nominal Size	2.5", 4", 6"	4"	4.5"
Scale Ranges	0 ... 0.6 kg/cm ² to 1600 kg/cm ² , or other equivalent units of pressure, vacuum or compound	0 bar ... 2000 bar to 0 bar ... 4000 bar, or other equivalent units of pressure, vacuum or compound	0 ... 6 kPa to 0 ... 100 MPa, or other equivalent units of pressure, vacuum or compound
Accuracy	2.5": ±1.6% F.S. 4", 6": ±1.0% F.S.	±2.5% F.S.	±1.0% F.S. , ±1.6% F.S. , ±2.5% F.S.
Process Connection	316L SS 1/8", 1/4", 3/8", 1/2" PT, G, NPT, M	304 SS, 316L SS G 1/2"B, M 16*1.5(F), 9/16 UNF(F), 5/8 UNF x 27(F)	316L SS 1/8", 1/4", 3/8", 1/2" PT, G, NPT, M
Case/Ring	304 SS (standard), 316 SS With blow-out device at case circumference, vent valve	304 SS	Phenol, with solid baffle wall (solidfront) and blow-out back
Medium Temperature	≤ 200 °C (non-liquid-filled) ≤ 100 °C (liquid-filled)	200 °C maximum with unfilled instrument	-20 °C ... 100 °C

Pressure Gauges

Stainless Steel



Stainless Steel Case



Solid Baffle Wall



Stainless Steel

Model	PRS	PRSF	PRSS
Connection Location	Bottom mount, bottom mount with flange, center back mount without flange, lower back mount without flange, center back mount with flange, lower back mount with flange, center back mount with U-clamp	Bottom mount	Bottom mount, bottom mount with flange, center back mount without flange, lower back mount without flange, center back mount with flange, lower back mount with flange, center back mount with U-clamp
Nominal Size	1.5", 2", 2.5", 3", 4"	4"	2.5", 3", 4"
Scale Ranges	0 ... 1kg/cm ² to 0 ... 1000kg/cm ² , or other equivalent units of pressure, vacuum or compound	0 ... 0.6 bar to 0 ... 1000 bar, or other equivalent units of pressure, vacuum or compound	0 ... 1 kg/cm ² to 0 ... 1000 kg/cm ² , or other equivalent units of pressure, vacuum or compound
Accuracy	1.5", 2": ±2% F.S. 2.5", 3", 4": ±1.6% F.S.	±1.0% F.S.	±1.6% F.S.
Process Connection	Brass or chromium plated brass 1/8", 1/4", 3/8", 1/2" PT, G, NPT, M	316L SS 1/8", 1/4", 3/8", 1/2" PT, G, NPT, M	316L SS 1/8", 1/4", 3/8", 1/2" PT, G, NPT, M
Case/Ring	304 SS	304 stainless steel, with solid baffle wall and blow-out back	304 SS
Medium Temperature	60°C maximum	≤ 200°C (non-liquid-filled) ≤ 100°C (liquid-filled)	-40°C ... 150°C (unfilled) -20°C ... 100°C (glycerine filled) -40°C ... 100°C (silicone oil filled)

Pressure Gauges

Stainless Steel



High Temperature/ Boiler

Model	PRST
Connection Location	bottom mount
Nominal Size	8", 10"
Scale Ranges	0 ... 1 bar to 0 ... 1000 bar, or other equivalent units of pressure, vacuum or compound
Accuracy	±1.6% F.S.
Process Connection	304 SS, 316L SS 1/8", 1/4", 3/8", 1/2" PT, G, NPT, M
Case/Ring	Iron; with black anti-corrosion coating
Medium Temperature	Max. 200°C

Diaphragm Seals



Diaphragm Seals

Flange Connection

Flange Connection
with Stub Pipe

Sanitary

Threaded

Special

As a professional expert in measurement instruments, SJ Gauge recommends the use of diaphragm seals to protect your instruments in specific pressure measurement applications. These include processing a medium with challenging characteristics like viscosity, stickiness, corrosiveness or tendencies to cause blockages. SJ Gauge offers a variety of diaphragm options for you to choose from, including our single or double flange series, sanitary series, threaded diaphragm series, and special diaphragm series.

The product images displayed in the catalog are illustrative, and the actual products will be customized to your requirements.

Diaphragm Seals

Flange Connection



Flanged Connection



Flanged Connection



Corrosion-resistant Plastic

	Flanged Connection	Flanged Connection	Corrosion-resistant Plastic
Model	DIF	DIF	DIF-P
Type	Welded	Screwed(PTFE Coating)	Metal
Type Of Process Connection	ANSI/ ASME B16.5, JIS, DIN2527	ANSI/ ASME B16.5, JIS, DIN2527	ANSI/ ASME B16.5, JIS, DIN2527
Nominal Diameter	1/2", 3/4", 1", 1 1/4", 1 1/2", 2"	1 1/2", 2", 3", 4"	1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 3", 4"
Instrument Connection	1/4", 3/8", 1/2" PT, G, NPT, M	1/4", 3/8", 1/2" PT, G, NPT, M	1/4", 3/8", 1/2" PT, G, NPT, M
Scale Ranges	Pressure gauge: 1/2", 3/4": 0 ... 4 bar to 0 ... 40 bar 1", 1 1/4": 0 ... 2.5 bar to 0 ... 40 bar 1 1/2", 2": -1 ... 0 bar to 0 ... 40 bar Transmitter: 0 ... 0.4 bar to -1 ... 40 bar, or other equivalent units of pressure, vacuum or compound	Pressure gauge: 1 1/2": 0 ... 4 bar to 0 ... 40 bar 2", 3", 4": -1 ... 0 bar to -1 ... 40 bar Transmitter: 1 1/2": 0 ... 4 bar to 0 ... 40 bar 2", 3", 4": 0 ... 0.1 bar to -1 ... 40 bar, or other equivalent units of pressure, vacuum or compound	Pressure gauge: 1/2", 3/4": 0 ... 4 bar to 0 ... 10 bar 1" ... 4": -1 ... 0 bar to -1 ... 10 bar Transmitter: 1/2", 3/4": 0 ... 0.4 bar to -1 ... 10 bar 1" ... 4": 0 ... 0.01 bar to -1 ... 10 bar
Material	Body: 304 SS, 316 SS, 316L SS, Hastelloy C276, Dual phase steel, Tantalum, Monel 400, Titanium, Nickel 200 Diaphragm: 316L SS, Hastelloy C276, Tantalum, Monel 400, Titanium, Nickel 200	Body: 304 SS, 316 SS, 316L SS, Hastelloy C276, Dual phase steel, Tantalum, Monel 400, Titanium, Nickel 200 Diaphragm: 316L SS, Hastelloy C276, Tantalum, Monel 400, Titanium, Nickel 200, Silicone, Viton, 316L+PTFE, 316L+PTFE Coating	Upper body: PP, PVC, PVDF, PTFE Lower body: PP, PVC, PVDF, PTFE Diaphragm: Hastelloy C276, Titanium, Tantalum Monel 400, Nickel 200, Silicone, Viton 316L+PTFE, 316L+PTFE Coating
Medium Temperature	0°C ... 80°C(standard), 81°C ... 200°C, 201°C ... 400°C	0°C ... 80°C(standard), 81°C ... 200°C, 201°C ... 400°C	0°C ... 80°C (PVC/PP), -40°C ... 140°C (PVDF), -200°C ... 260°C (PTFE)

Diaphragm Seals

Flange Connection



Corrosion-resistant Plastic



Upper Metal, Lower Plastic



Upper Metal, Lower Plastic

Model	DIF-P	DIF-USLP	DIF-USLP
Type	PTFE	Metal	PTFE
Type Of Process Connection	ANSI/ ASME B16.5, JIS, DIN2527	ANSI/ ASME B16.5, JIS, DIN2527	ANSI/ ASME B16.5, JIS, DIN2527
Nominal Diameter	1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 3", 4"	1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 3", 4"	1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 3", 4"
Instrument Connection	1/4", 3/8", 1/2" PT, G, NPT, M	1/4", 3/8", 1/2" PT, G, NPT, M	1/4", 3/8", 1/2" PT, G, NPT, M
Scale Ranges	Pressure gauge: 1/2", 3/4": 0 ... 4 bar to 0 ... 10 bar 1" ... 2": -1 ... 0 bar to 0 ... 10 bar 3", 4": 0 ... 0.1 bar to -1 ... 10 bar Transmitter: 1/2", 3/4": 0 ... 0.4 bar to -1 ... 10 bar 1" ... 2": 0 ... 0.01 bar to -1 ... 10 bar 3", 4": -0.05 ... 0.05 bar to -1 ... 10 bar, or other equivalent units of pressure, vacuum or compound	Pressure gauge: 1/2", 3/4": 0 ... 4 bar to 0 ... 25 bar 1" ... 4": -1 ... 0 bar to -1 ... 25 bar Transmitter: 1/2", 3/4": 0 ... 0.4 bar to -1 ... 25 bar 1" ... 4": 0 ... 0.01 bar to -1 ... 25 bar	Pressure gauge: 1/2", 3/4": 0 ... 4 bar to 0 ... 25 bar 1" ... 2": -1 ... 0 bar to 0 ... 25 bar 3", 4": 0 ... 0.1 bar to -1 ... 25 bar Transmitter: 1/2", 3/4": 0 ... 0.4 bar to -1 ... 25 bar 1" ... 2": 0 ... 0.01 bar to -1 ... 25 bar 3", 4": -0.05 ... 0.05 bar to -1 ... 25 bar, or other equivalent units of pressure, vacuum or compound
Material	Upper body: PP, PVC, PVDF, PTFE Lower body: PP, PVC, PVDF, PTFE Diaphragm: PTFE	Upper body: 304 SS, 316 SS, 316L SS, Dual phase steel, Hastelloy C276, Tantalum, Titanium, Monel 400, Nickel 200 Lower body: PP, PVC, PVDF, PTFE Diaphragm: Hastelloy C276, Titanium, Tantalum, Monel 400, Nickel 200, Silicone, Viton, 316L+PTFE, 316L+PTFE coating	Upper body: 304 SS, 316 SS, 316L SS, Dual phase steel, Hastelloy C276, Tantalum, Titanium, Monel 400, Nickel 200 Lower body: PP, PVC, PVDF, PTFE Diaphragm: PTFE
Medium Temperature	0°C ... 80°C (PVC/PP), -40°C ... 140°C (PVDF), -200°C ... 260°C (PTFE)	0°C ... 80°C (PVC/PP), -40°C ... 140°C (PVDF), -200°C ... 260°C (PTFE)	0°C ... 80°C (PVC/PP), -40°C ... 140°C (PVDF), -200°C ... 260°C (PTFE)

Diaphragm Seals

Flange Connection



Dual Diaphragm

Extended Diaphragm

Flush Diaphragm

Model	DIF-S	DIF-E	DIF-F
Type	Dual	Extended	Flush
Type Of Process Connection	ANSI/ ASME B16.5, JIS, DIN2527	ANSI/ ASME B16.5, JIS, DIN2527	ANSI/ ASME B16.5, JIS, DIN2527
Nominal Diameter	1/2", 3/4", 1", 1 1/4"	1 1/2", 2", 3", 4"	1", 1 1/4", 1 1/2", 2", 3", 4"
Instrument Connection	1/4", 3/8", 1/2" PT, G, NPT, M	1/4", 3/8", 1/2" PT, G, NPT, M	1/4", 3/8", 1/2" PT, G, NPT, M
Scale Ranges	Pressure gauge: 1/2", 3/4": 0 ... 4 bar to 0 ... 40 bar 1", 1 1/4": -1 ... 0 bar to -1 ... 40 bar Transmitter: 0 ... 0.4 bar to -1 ... 40 bar, or other equivalent units of pressure, vacuum or compound	Pressure gauge: 1 1/2": 0 ... 4 bar to 0 ... 40 bar 2" ... 4": -1 ... 0 bar to -1 ... 40 bar Transmitter: 1 1/2": 0 ... 0.4 bar to -1 ... 40 bar 2" ... 4": 0 ... 0.01 bar to 0 ... 40 bar, or other equivalent units of pressure, vacuum or compound	Pressure gauge: 1", 1 1/4": 0 ... 10 bar to 0 ... 40 bar 1 1/2" ... 4": -1 ... 0 bar to 0 ... 40 bar Transmitter: 0 ... 0.4 bar to -1 ... 40 bar, or other equivalent units of pressure, vacuum or compound
Material	Upper body: 304 SS, 316 SS, 316L SS, Dual phase steel, Hastelloy C276, Tantalum, Titanium, Monel 400, Nickel 200 Lower body: 304 SS, 316 SS, 316L SS, Dual phase steel, Hastelloy C276, Tantalum, Titanium, Monel 400, Nickel 200 Diaphragm: 316L SS, PTFE, Hastelloy C276, Titanium, Tantalum, Monel 400, Nickel 200, Silicone, Viton, 316L+PTFE	Body: 304 SS, 316 SS, 316L SS, Dual phase steel, Hastelloy C276, Tantalum, Titanium, Monel 400, Nickel 200 Diaphragm: 316L SS, Hastelloy C276, Titanium, Tantalum, Monel 400, Nickel 200	Body: 304 SS, 316 SS, 316L SS, Dual Phase Steel, Hastelloy C276, Tantalum, Titanium, Monel 400, Nickel 200 Diaphragm: 316L SS, Hastelloy C276, Tantalum, Titanium, Monel 400, Nickel 200
Medium Temperature	0°C ... 80°C (standard), 81°C ... 200°C, 201°C ... 400°C	0°C ... 80°C (standard), 81°C ... 200°C, 201°C ... 400°C	0°C ... 80°C (standard), 81°C ... 200°C, 201°C ... 400°C

Diaphragm Seals

Flange Connection



Screwed Diaphragm



Screwed Diaphragm



Cell (Pancake) Diaphragm

Model	DIF-DSR	DIF-DSR	DIF-C
Type	Metal	PTFE	Cell (Pancake)
Type Of Process Connection	ANSI/ ASME B16.5, JIS, DIN2527	ANSI/ ASME B16.5, JIS, DIN2527	ANSI/ ASME B16.5, JIS, DIN2527
Nominal Diameter	1/2", 3/4", 1", 1 1/4", 1 1/2", 2"	1/2", 3/4", 1", 1 1/4", 1 1/2", 2"	1 1/2", 2", 3", 4"
Instrument Connection	1/4", 3/8", 1/2" PT, G, NPT, M	1/4", 3/8", 1/2" PT, G, NPT, M	1/4", 3/8", 1/2" PT, G, NPT, M
Scale Ranges	Pressure gauge: 1/2", 3/4": 0 ... 4 bar to 0 ... 40 bar 1", 1 1/4": 0 ... 2.5 bar to 0 ... 40 bar 1 1/2", 2": -1 ... 0 bar to 0 ... 40 bar Transmitter: -1 ... 0 bar to 0 ... 40 bar	Pressure gauge: 1/2", 3/4": 0 ... 4 bar to 0 ... 40 bar 1" ... 2": -1 ... 0 bar to 0 ... 40 bar Transmitter: 0 ... 0.4 bar to -1 ... 40 bar, or other equivalent units of pressure, vacuum or compound	Pressure gauge: 1 1/2" ... 4": -1 ... 0 bar to 0 ... 40 bar Transmitter: 0 ... 0.4 bar to -1 ... 40 bar Cell-type with extended diaphragm Pressure gauge: 1 1/2": 0 ... 4 bar to 0 ... 40 bar 2" ... 4": -1 ... 0 bar to -1 ... 40 bar Transmitter: 0 ... 0.01 bar to 0 ... 40 bar, or other equivalent units of pressure, vacuum or compound
Material	Body: 304 SS, 316 SS, 316L SS, dual phase steel, Hastelloy C276, Tantalum, Titanium, Monel 400, Nickel 200 Diaphragm: 316L SS, Hastelloy C276, Tantalum, Titanium, Monel 400, Nickel 200, Silicone, Viton, 316L+PTFE	Body: 304 SS, 316 SS, 316L SS, dual phase steel, Hastelloy C276, Tantalum, Titanium, Monel 400, Nickel 200 Diaphragm: PTFE	Body: 304 SS, 316 SS, 316L SS, dual phase steel, Hastelloy C276, Tantalum, Titanium, Monel 400, Nickel 200 Diaphragm: 316L SS, Hastelloy C276, Tantalum, Titanium, Monel 400, Nickel 200
Medium Temperature	0°C ... 80°C (standard), 81°C ... 200°C, 201°C ... 400°C	0°C ... 80°C (standard), 81°C ... 200°C, 201°C ... 400°C	0°C ... 80°C (standard), 81°C ... 200°C, 201°C ... 400°C

Diaphragm Seals

Flange Connection with Stub Pipe



Corrosion-resistant Plastic



Screwed Diaphragm



Upper Metal, Lower Plastic

Model	DIFF-P	DIFF-S	DIFF-USLP
Type Of Process Connection	ANSI/ASME B16.5, JIS, DIN 2527	ANSI/ASME B16.5, JIS, DIN 2527	ANSI/ASME B16.5, JIS, DIN 2527
Nominal Diameter	1/2", 3/4", 1", 1 1/4", 1 1/2", 2"	1/2", 3/4", 1", 1 1/4", 1 1/2", 2"	1/2", 3/4", 1", 1 1/4", 1 1/2", 2"
Instrument Connection	1/4", 3/8", 1/2" PT, G, NPT, M	1/4", 3/8", 1/2" PT, G, NPT, M	1/4", 3/8", 1/2" PT, G, NPT, M
Scale Ranges	70 mm: Pressure gauge: 0 ... 4 bar to 0 ... 10 bar Transmitter: 0 ... 0.4 bar to 0 ... 10 bar 90 mm: Pressure gauge: -1 ... 0 bar to -1 ... 10 bar Transmitter: 0 ... 0.01 bar to -1 ... 10 bar 130 mm: Pressure gauge: 0 ... 0.25 bar to -1 ... 10 bar Transmitter: 0 ... 0.01 bar to -1 ... 10 bar 160 mm: Pressure gauge: 0 ... 0.1 bar to -1 ... 10 bar Transmitter: -0.05 ... 0.05 bar to -1 ... 10 bar, or other equivalent units of pressure, vacuum or compound	70 mm: Pressure gauge: 0 ... 4 bar to 0 ... 40 bar Transmitter: 0 ... 0.4 bar to 0 ... 40 bar 90 mm: Pressure gauge: -1 ... 0 bar to -1 ... 40 bar Transmitter: 0 ... 0.01 bar to -1 ... 40 bar 130 mm: Pressure gauge: 0 ... 0.25 bar to -1 ... 40 bar Transmitter: 0 ... 0.01 bar to -1 ... 40 bar 160 mm: Pressure gauge: 0 ... 0.1 bar to -1 ... 25 bar Transmitter: -0.05 ... 0.05 bar to -1 ... 25 bar, or other equivalent units of pressure, vacuum or compound	70 mm: Pressure gauge: 0 ... 4 bar to 0 ... 10 bar Transmitter: 0 ... 0.4 bar to 0 ... 10 bar 90 mm: Pressure gauge: -1 ... 0 bar to -1 ... 10 bar Transmitter: 0 ... 0.01 bar to -1 ... 10 bar 130 mm: Pressure gauge: 0 ... 0.25 bar to -1 ... 10 bar Transmitter: 0 ... 0.01 bar to -1 ... 10 bar 160 mm: Pressure gauge: 0 ... 0.1 bar to -1 ... 10 bar Transmitter: -0.05 ... 0.05 bar to -1 ... 10 bar, or other equivalent units of pressure, vacuum or compound
Material	Upper / Lower body: PP, PVC, PVDF, PTFE Diaphragm: PTFE, Hastelloy C276, Titanium, Tantalum, Monel 400, Nickel 200, Silicone, Viton, 316L+PTFE, 316L+PTFE Coating	Upper / Lower body: 304 SS, 316 SS, 316L SS, Dual Phase Steel, Hastelloy C276, Tantalum, Titanium, Monel 400, Nickel 200 Diaphragm: 316L SS, Hastelloy C276, Tantalum, Titanium, Monel 400, Nickel 200, Silicone, Viton, 316L+PTFE	Upper body: 304 SS, 316 SS, 316L SS, Dual Phase Steel, Hastelloy C276, Tantalum, Titanium, Monel 400, Nickel 200 Lower body: PP, PVC, PVDF, PTFE Diaphragm: PTFE, Hastelloy C276, Titanium, Tantalum, Monel 400, Nickel 200, Silicone, Viton, 316L+PTFE
Medium Temperature	0°C ... 80°C (PVC/PP), -40°C ... 140°C (PVDF), -200°C ... 260°C (PTFE)	0°C ... 80°C (standard), 81°C ... 200°C, 201°C ... 400°C	0°C ... 80°C (PVC/PP), -40°C ... 140°C (PVDF), -200°C ... 260°C (PTFE)

Diaphragm Seals

Flange Connection with Stub Pipe



Welded Diaphragm

Model	DIFF-W
Type Of Process Connection	ANSI/ASME B16.5, JIS, DIN 2527
Nominal Diameter	1/2", 3/4", 1", 1 1/4", 1 1/2", 2"
Instrument Connection	1/4", 3/8", 1/2" PT, G, NPT, M
Scale Ranges	70 mm Pressure gauge: 0 ... 2.5 bar to 0 ... 40 bar Transmitter: 0 ... 0.01 bar to -1 ... 40 bar 90 mm Pressure gauge: -1 ... 0 bar to -1 ... 40 bar Transmitter: 0 ... 0.01 bar to -1 ... 40 bar, or other equivalent units of pressure, vacuum or compound
Material	Body: 304 SS, 316 SS, 316L SS, Dual Phase Steel, Hastelloy C276, Tantalum, Titanium, Monel 400, Nickel 200 Diaphragm: 316L SS, Hastelloy C276, Tantalum, Titanium, Monel 400, Nickel 200
Medium Temperature	0°C ... 80°C (standard), 81°C ... 200°C, 201°C ... 400°C

Diaphragm Seals

Sanitary



DIN Standard



IDF Standard



SMS Standard

Model	DIS-DIN	DIS-IDF	DIS-SMS
Instrument Connection	1/4", 3/8", 1/2" PT, G, NPT, M	1/4", 3/8", 1/2" PT, G, NPT, M	1/4", 3/8", 1/2" PT, G, NPT, M
Scale Ranges	Pressure gauge: 1.5": 0 ... 6 bar to 0 ... 40 bar 2", 2.5": -1 ... 1.5 bar to 0 ... 25 bar 3", 4": -1 ... 1.5 bar to 0 ... 16 bar Transmitter: 1.5": -1 ... 40 bar 2", 2.5": 0 ... 0.6 bar to -1 ... 25 bar 3", 4": 0 ... 0.6 bar to -1 ... 16 bar, or other equivalent units of pressure, vacuum or compound	Pressure gauge: 1.5": 0 ... 6 bar to 0 ... 40 bar 2", 2.5": -1 ... 1.5 bar to 0 ... 25 bar 3", 4": -1 ... 1.5 bar to 0 ... 16 bar Transmitter: 1.5": -1 ... 40 bar 2", 2.5": 0 ... 0.6 bar to -1 ... 25 bar 3", 4": 0 ... 0.6 bar to -1 ... 16 bar, or other equivalent units of pressure, vacuum or compound	Pressure gauge: 1.5": 0 ... 6 bar to 0 ... 40 bar 2", 2.5": -1 ... 1.5 bar to 0 ... 25 bar 3", 4": -1 ... 1.5 bar to 0 ... 16 bar Transmitter: 1.5": -1 ... 40 bar 2", 2.5": 0 ... 0.6 bar to -1 ... 25 bar 3", 4": 0 ... 0.6 bar to -1 ... 16 bar, or other equivalent units of pressure, vacuum or compound
Process Connection	Female, male 1.5", 2", 2.5", 3", 4"	Female, male 1.5", 2", 2.5", 3", 4"	Female, male 1.5", 2", 2.5", 3", 4"
Material	Body: 304 SS, 316L SS, Hastelloy C276, Monel 400, Titanium, Nickel 200 Diaphragm: 316L SS, Hastelloy C276, Tantalum, Monel 400, Titanium, Nickel 200	Body: 304 SS, 316L SS, Hastelloy C276, Monel 400, Titanium, Nickel 200 Diaphragm: 316L SS, Hastelloy C276, Tantalum, Monel 400, Titanium, Nickel 200	Body: 304 SS, 316L SS, Hastelloy C276, Monel 400, Titanium, Nickel 200 Diaphragm: 316L SS, Hastelloy C276, Tantalum, Monel 400, Titanium, Nickel 200
Medium Temperature	0°C ... 80°C (standard), 81°C ... 200°C, 201°C ... 400°C	0°C ... 80°C (standard), 81°C ... 200°C, 201°C ... 400°C	0°C ... 80°C (standard), 81°C ... 200°C, 201°C ... 400°C

Diaphragm Seals

Sanitary



Tri-clamp Diaphragm

Model	DIS-C
Instrument Connection	1/4", 3/8", 1/2" PT, G, NPT, M
Scale Ranges	Pressure gauge: 1.5": -1 ... 5 bar, 0 ... 4 bar to 0 ... 25 bar 2", 2.5", 3", 4": -1 ... 1.5 bar, 0 ... 1.6 bar to 0 ... 16 bar Transmitter: 1.5": -1 ... 0 bar, 0 ... 0.03 bar to 0 ... 25 bar 2", 2.5", 3", 4": -1 ... 0.6 bar, 0 ... 0.01 to 0 ... 16 bar, or other equivalent units of pressure, vacuum or compound
Process Connection	1.5", 2", 2.5", 3", 4"
Material	Body: 304 SS, 316L SS, Hastelloy C276, Monel 400, Titanium, Nickel 200 Diaphragm: 316L SS, Hastelloy C276, Monel 400, Tantalum, Titanium, Nickel 200
Medium Temperature	0°C ... 80°C (standard), 81°C ... 200°C, 201°C ... 400°C

Diaphragm Seals

Threaded



Screwed Diaphragm



Welded Diaphragm



High Pressure Diaphragm

Model	DIT-S	DIT-W	DIT-H
Type	Screwed	Welded	Welded
Instrument Connection	1/4", 3/8", 1/2" PT, G, NPT, M	1/4", 3/8", 1/2" PT, G, NPT, M	1/4", 3/8", 1/2" PT, G, NPT, M
Scale Ranges	70 mm Pressure gauge: 0 ... 4 bar to 0 ... 60 bar Transmitter: 0 ... 0.4 bar to 0 ... 60 bar 90 mm Pressure gauge: -1 ... 0 bar to -1 ... 60 bar Transmitter: 0 ... 0.01 bar to -1 ... 60 bar 97 mm Pressure gauge: -1 ... 0 bar to -1 ... 60 bar 130 mm Pressure gauge: 0 ... 0.25 bar to -1 ... 40 bar Transmitter: 0 ... 0.01 bar to -1 ... 40 bar 160 mm Pressure gauge: 0 ... 0.1 bar to -1 ... 25 bar Transmitter: -0.05 ... 0.05 bar to -1 ... 25 bar, or other equivalent units of pressure, vacuum or compound	48 mm Pressure gauge: 0 ... 4 bar to 0 ... 40 bar Transmitter: 0 ... 4 bar to 0 ... 40 bar 70 mm Pressure gauge: 0 ... 2.5 bar to 0 ... 60 bar Transmitter: 0 ... 0.01 bar to -1 ... 60 bar 82 mm Pressure gauge: -1 ... 0 bar to -1 ... 40 bar 90 mm Pressure gauge: -1 ... 0 bar to -1 ... 60 bar Transmitter: 0 ... 0.01 bar to -1 ... 60 bar, or other equivalent units of pressure, vacuum or compound	0 ... 600 bar, or all other equivalent pressure ranges
Process Connection	Male, female, union nut and loose threaded 1/4", 3/8", 1/2", 3/4", 1" PT, G, NPT, M	Male, female, union nut and loose threaded 1/4", 3/8", 1/2", 3/4", 1" PT, G, NPT, M	Male, female 1/4", 3/8", 1/2" PT, G, NPT, M
Material	Upper / Lower body: 304 SS, 316 SS, 316L SS, Dual phase steel, Hastelloy C276, Titanium, Tantalum, Monel 400, Nickel 200 Diaphragm: 316L SS, PTFE, Hastelloy C276, Tantalum, Titanium, Monel 400, Nickel 200, Silicone, Viton, 316L+PTFE, 316L+PTFE Coating	Body: 304 SS, 316 SS, 316L SS, Dual Phase Steel, Hastelloy C276, Tantalum, Monel 400, Titanium, Nickel 200 Diaphragm: 316L SS, Hastelloy C276, Tantalum, Monel 400, Titanium, Nickel 200	Body: 304 SS, 316 SS, 316L SS, Dual Phase Steel, Hastelloy C276, Tantalum, Monel 400, Titanium, Nickel 200 Diaphragm: 316L SS, Hastelloy C276, Tantalum, Monel 400, Titanium, Nickel 200
Medium Temperature	0°C ... 80°C (standard) , 81°C ... 200°C, 201°C ... 400°C	0°C ... 80°C (standard) , 81°C ... 200°C, 201°C ... 400°C	0°C ... 80°C (standard) , 81°C ... 200°C, 201°C ... 400°C

Diaphragm Seals

Threaded



High Pressure Diaphragm



Corrosion-resistant Plastic



Integrated PP

	High Pressure Diaphragm	Corrosion-resistant Plastic	Integrated PP
Model	DIT-H	DIT-P	DIT-PP
Type	Screwed	Corrosion-resistant plastic	Bottom mount
Instrument Connection	1/4", 3/8", 1/2" PT, G, NPT, M	1/4", 3/8", 1/2" PT, G, NPT, M	-
Scale Ranges	0 ... 600 bar, or all other equivalent pressure ranges	70 mm Pressure gauge: 0 ... 4 bar to 0 ... 10 bar Transmitter: 0 ... 0.4 bar to 0 ... 10 bar 90 mm Pressure gauge: -1 ... 0 bar to -1 ... 10 bar Transmitter: 0 ... 0.01 bar to -1 ... 10 bar 130 mm Pressure gauge: 0 ... 0.25 bar to -1 ... 10 bar Transmitter: 0 ... 0.01 bar to -1 ... 10 bar 160 mm Pressure gauge: 0 ... 0.1 bar to -1 ... 10 bar Transmitter: -0.05 ... 0.05 bar to -1 ... 10 bar, or other equivalent units of pressure, vacuum or compound	0 ... 1 bar to 0 ... 20 bar, or other equivalent units of pressure
Process Connection	Male, female 1/4", 3/8", 1/2" PT, G, NPT, M	Male, female, socket welding 1/4", 3/8", 3/4", 1" PT, G, NPT, M	PP 1/2"(F) PT
Material	Upper / Lower body: 304 SS, 316 SS, 316L SS, Dual Phase Steel, Hastelloy C276, Tantalum, Monel 400, Titanium, Nickel 200 Diaphragm: 316L SS, PTFE, Hastelloy C276, Tantalum, Monel 400, Titanium, Nickel 200, Silicone, Viton, 316L+ PTFE, 316L+ PTFE Coating	Upper / Lower body: PP, PVC, PVDF, PTFE Diaphragm: PTFE, Hastelloy C276, Tantalum, Titanium, Monel 400, Nickel 200, Silicone, Viton, 316L+PTFE, 316L+PTFE Coating	Body: Polypropylene, black Diaphragm: Viton
Medium Temperature	0°C ... 80°C (standard) , 81°C ... 200°C, 201°C ... 400°C	0°C ... 80°C (PVC/PP) , -40°C ... 140°C(PVDF), -200°C ... 260°C(PTFE)	0°C ... 60°C

Diaphragm Seals

Threaded



Bottom PP



**Upper Metal,
Lower Plastic**



Flush Diaphragm

Model	DIT-PPS	DIT-USLP	DIT-FS
Type	PP	Upper SS, lower PTFE	Flush
Instrument Connection	1/4" G	1/4", 3/8", 1/2" PT, G, NPT, M	1/4", 3/8", 1/2" PT, G, NPT, M
Scale Ranges	Pressure gauge: 0 ... 1 bar to 0 ... 20 bar, or all other equivalent pressure ranges Digital pressure gauge, pressure transmitter: 0 ... 1 bar to 0 ... 20 bar, or other equivalent units of pressure, vacuum or compound	70 mm Pressure gauge: 0 ... 4 bar to 0 ... 10 bar Transmitter: 0 ... 0.4 bar to 0 ... 10 bar 90 mm Pressure gauge: -1 ... 0 bar to -1 ... 10 bar Transmitter: 0 ... 0.01 bar to -1 ... 10 bar 130 mm Pressure gauge: 0 ... 0.25 bar to -1 ... 10 bar Transmitter: 0 ... 0.01 bar to -1 ... 10 bar 160 mm Pressure gauge: 0 ... 0.1 bar to -1 ... 10 bar Transmitter: -0.05 ... 0.05 bar to -1 ... 10 bar, or other equivalent units of pressure, vacuum or compound	Pressure gauge: 1" ... 2" : 0 ... 2.5 bar to 0 ... 1000 bar Transmitter: 1/2", 3/4" : 0 ... 4 bar to 0 ... 1000 bar 1" ... 2" : 0 ... 0.25 bar to 0 ... 1000 bar, or other equivalent units of pressure, vacuum or compound
Process Connection	Female 1/2" PT	Male, female, socket welding 1/4", 3/8", 1/2", 3/4", 1" PT, G, NPT, M	1/2", 3/4", 1", 1 1/2", 2" PT, G, NPT, M
Material	Body: Polypropylene, black Diaphragm: Viton	Upper body: 304 SS, 316 SS, 316L SS, Dual phase steel, Hastelloy C276, Tantalum, Monel 400, Titanium, Nickel 200 Lower body: PP, PVC, PVDF, PTFE Diaphragm: PTFE, Hastelloy C276, Tantalum, Monel 400, Titanium, Nickel 200, Silicone, Viton, 316L+PTFE, 316L+PTFE coating	Body: 304SS, 316 SS, 316L SS, Dual phase steel, Hastelloy C276, Tantalum, Monel 400, Titanium, Nickel 200 Diaphragm: 316L SS, Hastelloy C276, Tantalum, Monel 400, Titanium, Nickel 200
Medium Temperature	0°C ... 60°C	0°C ... 80°C (PP/PVC), -40°C ... 140°C (PVDF), -200°C ... 260°C (PTFE)	0°C ... 80°C (standard) , 81°C ... 200°C , 201°C ... 400°C

Diaphragm Seals

Threaded



Hexagonal
Diaphragm

Model	DIT-6
Type	Hexagonal
Instrument Connection	1/4", 3/8", 1/2" PT, G, NPT, M
Scale Ranges	0 ... 10 bar to 0 ... 250 bar, or all other equivalent pressure ranges
Process Connection	1/4~3/8"~1/2"~3/4"~1" PT, G, NPT, M
Material	Body: 316L SS Diaphragm: 316L SS
Medium Temperature	0°C ... 80°C (standard) , 81°C ... 200°C , 201°C ... 400°C

Diaphragm Seals

Speical



Homogenizer Seal



**Small-size
Pipeline Connections**



**Pulp and
Paper Industry**

Model	DIHO	DIT-CS	DIP1
Type	Homogenizer seal, fishtail seal	Small-size pipeline connections	Pulp and Paper Industry
Instrument Connection	1/4", 3/8", 1/2" PT, G, NPT, M	1/4", 3/8", 1/2" PT, G, NPT, M	1/4", 3/8", 1/2" PT, G, NPT, M
Scale Ranges	0 ... 100 bar to 0 ... 1000 bar, or all other equivalent pressure ranges	70 mm Pressure gauge: 0 ... 2.5 bar to 0 ... 25 bar Transmitter: 0 ... 0.01 bar to -1 ... 25 bar 90 mm Pressure gauge: -1 ... 0 bar to -1 ... 25 bar Transmitter: 0 ... 0.01 bar to -1 ... 25 bar, or other equivalent units of pressure, vacuum or compound	Pressure gauge: 0 ... 4 bar to 0 ... 40 bar Transmitter: -1 ... 40 bar, or other equivalent units of pressure, vacuum or compound
Process Connection	-	1/2", 3/4", 1", 1 1/2"	-
Material	Body: 304 SS, 316 SS, 316L SS Diaphragm: 316L SS	Body: 304 SS, 316L SS, Hastelloy C276 Diaphragm: 316L SS, Hastelloy C276	Body: 304 SS, 316 SS, 316L SS, Dual Phase Steel Hastelloy C276, Tantalum, Monel 400, Titanium, Nickel 200 Diaphragm: 316L SS, Hastelloy C276, Tantalum, Monel 400 Titanium, Nickel 200
Medium Temperature	35°C ... 260°C	0°C ... 80°C (standard), 81°C ... 200°C, 201°C ... 400°C	0°C ... 80°C (standard), 81°C ... 200°C, 201°C ... 400°C

Diaphragm Seals

Speicial

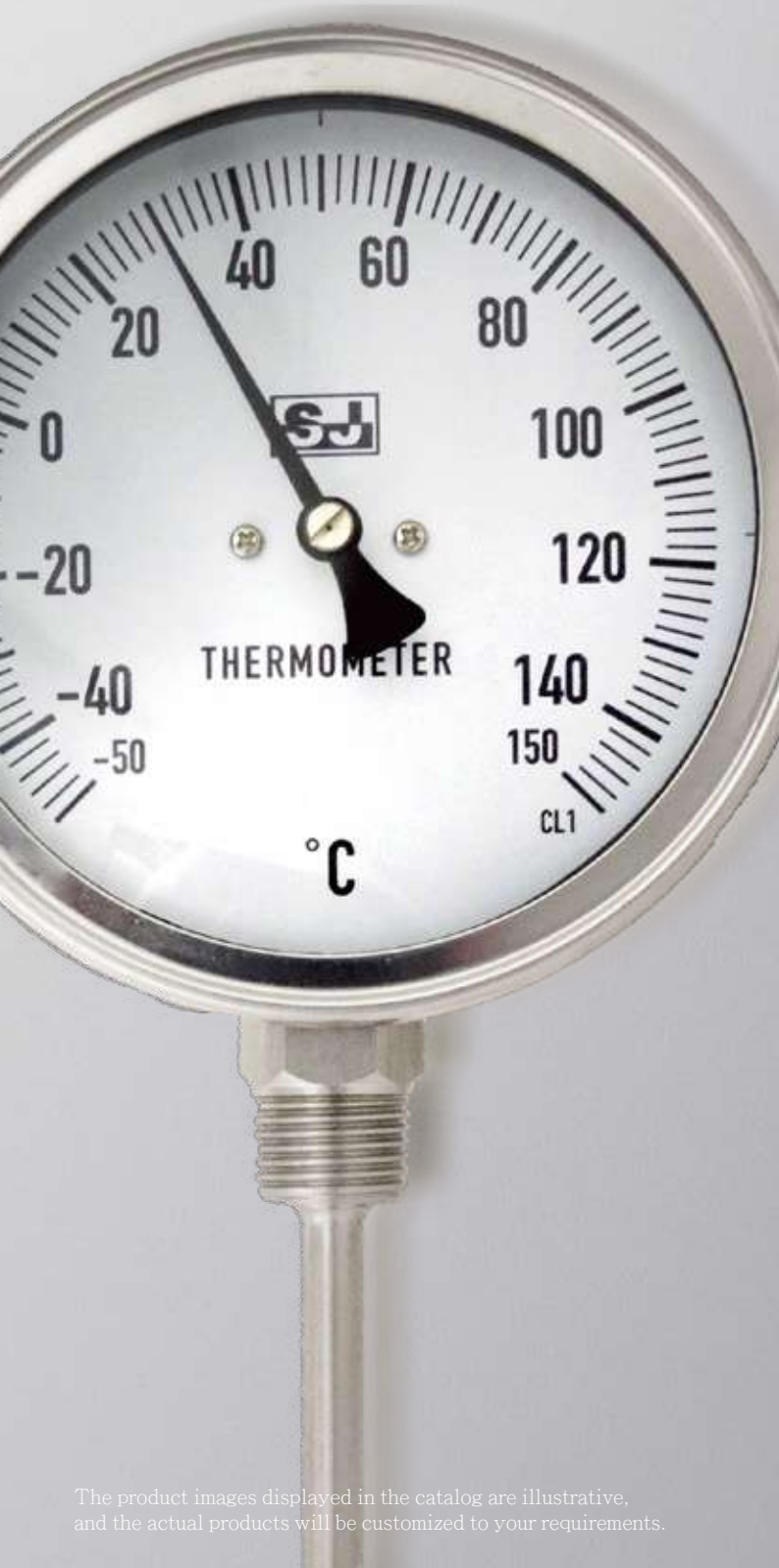


Melting High

Temperature Seal

Model	DIHI
Type	Rigid stem, rigid stem with capillary extension
Scale Ranges	0 ... 100 bar to 0 ... 1000 bar, or all other equivalent pressure ranges
Process Connection	Transmitter: 1/2"-20UNF, G 1/2" Pressure gauge, transmitter: G 3/4", G 1"
Material	Body: 316L SS Diaphragm: 316L SS
Rigid Stem	Length: 150 mm (standard), 100 ... 500 mm Material: C.S. (standard), 304 SS, 316 SS
Capillary	Length: 0.5 ... 20 m Material: 304 SS
Medium Temperature	330°C (Max.)

Thermometers



The product images displayed in the catalog are illustrative, and the actual products will be customized to your requirements.

Thermometers

Thermocouple Probe

RTD Probe

Bimetallic

Expansion

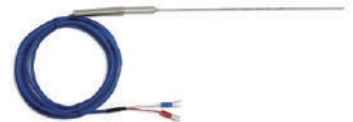
Thermowell

Special

SJ Gauge has been deeply rooted in the field of measurement and instrumentation in Taiwan for over two decades. We are experts in industrial thermometers, temperature gauges, and other temperature-measuring instruments. Through our understanding of measurement principles, we can also customize various types of temperature sensing elements for different application scenarios, such as threaded connections, sanitary clamp-on blind plates, electrical contacts, protective sleeves, temperature sensing rods and the application of smart sensors. We can even meet highly customized temperature measurement instrument requirements or replacement parts, all tailored our client's needs.

Thermometers

Thermocouple Probe



Lead Wire

Terminal Head

Sheath

Model	10	20	30
Type	101_Screw-in type, 102_Insertion type, 103_Bayonet type	201_General type(without fitting), 202_Fitting type, 203_Neck extension type, 204_Flange type	301_Lead wire type, 302_Socket type
Output Signal	K type, T type, J type, E type	K type, J type, E type, T type, 4~20mA	K type, T type, J type, E type
Tube Diameter	3.2, 4.0, 4.8, 5.0, 6.0, 6.4, 8.0, 9.6mm	3.2, 4.0, 4.8, 5.0, 6.0, 6.4, 8.0, 9.6, 10.0, 12.7, 13, 15, 16, 17, 21.7mm	1.0, 1.6, 2.3, 3.2, 4.8, 6.4, 8.0mm
Insertion Length	50~200mm or customize	50~200mm or customize	50~150mm or customize
Thread	1/4" 20UNC, M6x1, M8x1.25, M10x1.5, M12x1.5, 5/16" 18UNC, 5/16" 24UNF, 1/4"PT, 3/8" PT, 1/2" PT, 3/4" PT	Nope, 1/4"PT, 3/8" PT, 1/2" PT, 3/4"PT, 1" PT, customized	1/4"FPT, 3/8" PT, 1/2" PT, 1/8"FPT, 1/4" PT, connection tube or customize
Material	SUS304, SUS316, titanium tube, Teflon	SUS304, SUS316, SUS310, ceramic 610, ceramic 710, Inconel, titanium tube	SUS316, Inconel

Thermometers

Thermocouple Probe / RTD Probe



	High-Temperature	Lead Wire	Terminal Head
Model	40	50	60
Type	401_General type(without fitting), 402_Fitting type, 403_Flange type	501_Screw-in type, 502_Inseration type, 503_Bayonet type	601_General type(without fitting), 602_Lagging extension type, 603_Adjustable fitting type, 604_Flange type, 605_Tri-clamp type
Output Signal	B type, R type, S type	JIS PT100, DIN PT100, DIN PT500, DIN PT1000, JIS PT100(A), DIN PT100(A)	JIS PT100, DIN PT100, DIN PT500, DIN PT1000, JIS PT100(A), DIN PT100(A), 4~20mA
Tube Diameter	6.0, 8.0, 10, 13,15, 17mm	3.2, 4.0, 5.0, 6.0, 6.4, 8.0, 9.6, 12.7mm	3.2, 4.0, 5.0, 6.0, 6.4, 8.0, 9.6, 12.7mm
Insertion Length	200~500mm or customize	50~200mm or customize	50~200mm or customize
Thread	Nope, 1/4"PT, 1/2"PT, 3/4"PT, 1" PT, or flange	1/4"20UNC, M6x1.0, M8x1.25, 10x1.5, M12x1.5, 5/16"18UNC, 5/16"24UNF, 1/4" PT, 3/8" PT, 1/2"PT, 3/4" PT	None thread, 1/4"PT, 3/8"PT, 1/2"PT, 3/4"PT, 1/4"FPT, 3/8"FPT、1/2" FPT, 3/4"FPT, Flange or customized
Material	Ceramic 610, ceramic 710, Inconel	SUS304, SUS316, titanium tube, Teflon	SUS304, SUS316, titanium, alloy tube

Thermometers

Bimetallic



Back Mount



Bottom Mount

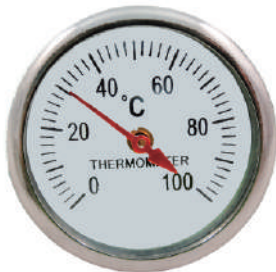


Adjustable Angle

	Back Mount	Bottom Mount	Adjustable Angle
Model	MTB.S_BL	MTB.S_BS	MTB.S_BA
Connection location	Back mount	Bottom mount	Adjustable angle
Nominal Size	1.5", 2", 2.5", 3", 4", 5", 6"	3", 4", 5", 6"	2.5", 3", 4", 5", 6"
Scale Ranges	-50°C ... 600°C	-50°C ... 600°C	-50°C ... 600°C
Accuracy	CL 1.0	CL 1.0	CL 1.0
Process Connection	304 SS (standard), 316 SS 1/8", 1/4", 3/8", 1/2", 3/4" PT, G, NPT, M	304 SS (standard), 316 SS 1/8", 1/4", 3/8", 1/2", 3/4" PT, G, NPT, M	304 SS (standard), 316 SS 1/8", 1/4", 3/8", 1/2", 3/4" PT, G, NPT, M
Connection Designs	Male thread, plain stem, compression fitting (sliding on stem), union nut and loose threaded connection, male nut, union nut, sanitary tri-clamp, metallic sheet with dual hole, flange on stem	Male thread, plain stem, compression fitting (sliding on stem), union nut and loose threaded connection, male nut, union nut, sanitary tri-clamp, metallic sheet with dual hole, flange on stem	Male thread, plain stem, compression fitting (sliding on stem), union nut and loose threaded connection, male nut, union nut, sanitary tri-clamp, metallic sheet with dual hole, flange on stem
Stem	304 SS (standard), 316 SS Length: Above 40 mm (without thread) can be customized Diameter: 6, 6.35, 8, 9.5, 10, 12 mm	304 SS (standard), 316 SS Length: Above 40 mm (without thread) can be customized Diameter: 6, 6.35, 8, 9.5, 10, 12 mm	304 SS (standard), 316 SS Length: Above 40 mm (without thread) can be customized Diameter: 6, 6.35, 8, 9.5, 10, 12 mm

Thermometers

Bimetallic



Magnetic Surface

Customized

Model	MTM	MTB
Connection location	Standard, with spring, add powerful magnet on the back	Bottom mount (BS), back mount (BL), adjustable angle (BA)
Nominal Size	1.5", 2.5"	2.5", 3", 4", 5", 6" (BS) 1", 1.5", 1.6", 2", 2.5", 3", 4", 5", 6" (BL) 2", 2.5", 3", 4", 5", 6" (BA)
Scale Ranges	1.5": 0°C ... 100°C, 0°C ... 120°C, 0°C ... 200°C 2.5": 0°C ... 200°C, 0°C ... 300°C	-50°C ... 600°C
Accuracy	-	CL 1.0
Process Connection	-	304 SS 1/8", 1/4", 3/8", 1/2", 3/4", 1" PT, G, NPT, M
Connection Designs	-	Male thread, plain stem, compression fitting (sliding on stem), union nut and loose threaded connection, male nut, union nut, sanitary tri-clamp, metallic sheet with dual hole, flange on stem
Stem	-	304 SS (standard), 316 SS Length: Above 50 mm (without thread) can be customized Diameter: 4, 6, 6.3, 8, 9.5, 12 mm

Thermometers

Expansion



**Direct Mount
Alarm Contact**



Alarm Contact Capillary



**Warning/Alarm
Contact**

Model	MTG-E	MTR.S-E	MTE
Connection location	Bottom mount, back mount, adjustable angle	Lower mount with surface mounting flange, 6" lower mount with surface mounting bracket (3 holes), back mount, back mount with U-clamp	Bottom mount , back mount
Nominal Size	3", 4", 6"	3", 4", 6"	3", 4", 5", 6"
Scale Ranges	-50°C ... 600°C	-50°C ... 600°C	-50°C ... 600°C
Process Connection	304 SS 1/4", 3/8", 1/2", 3/4" PT, G, NPT, M	304 SS 1/4", 3/8", 1/2", 3/4" PT, G, NPT, M	304 SS 1/4", 3/8", 1/2", 3/4", 1" PT, G, NPT, M
Connection Designs	Male thread, plain stem, compression fitting (sliding on stem), union nut and loose threaded connection, male nut, union nut, sanitary tri-clamp, flange on stem	Male thread, plain stem, compression fitting (sliding on stem), union nut and loose threaded connection, male nut, union nut, sanitary tri-clamp, flange on stem	Male thread, plain stem, compression fitting (sliding on stem), union nut and loose threaded connection, male nut, union nut, sanitary tri-clamp, flange on stem
Stem	304 SS (standard), 316 SS Length: Above 50 mm (without thread) can be customized Diameter: 6.35, 8, 9.5, 10, 12 mm	304 SS (standard), 316 SS Length: above 50 mm (without thread) can be customized Diameter: 6.35, 8, 9.5, 10, 12 mm	304 SS (standard), 316 SS Length: Above 50 mm (without thread) can be customized Diameter: 6.35, 8, 9.5, 12 mm
Contact	Type: Single contact N.O. Single contact N.C. Double contacts N.O. Double contacts N.O. + N.C. Double contacts N.C.	Type: Single contact N.O. Single contact N.C. Double contacts N.O. Double contacts N.O. + N.C. Double contacts N.C.	Type: Single contact N.O. Single contact N.C. Double contacts N.O.x2 Double contacts N.O.+N.C. Double contacts N.C.x2
Capillary Length	-	3 M ... 20 M	-

Thermometers

Expansion



Gas-actuated



Capillary

Model	MTG	MTR.S
Connection location	Bottom mount, back mount, adjustable angle	Lower mount with surface mounting flange, 6" lower mount with surface mounting bracket (3 holes), back mount, back mount with U-clamp
Nominal Size	2.5", 3", 4", 5", 6"	2.5", 3", 4", 5", 6"
Scale Ranges	-50°C ... 600°C	-50°C ... 600°C
Accuracy	CL 1.0	CL 1.0
Process Connection	304 SS 1/4", 3/8", 1/2", 3/4" PT, G, NPT, M	304 SS 1/4", 3/8", 1/2", 3/4" PT, G, NPT, M
Connection Designs	Male thread, plain stem, compression fitting (sliding on stem), union nut and loose threaded connection, male nut, union nut, sanitary tri-clamp, flange on stem	Male thread, plain stem, compression fitting (sliding on stem), union nut and loose threaded connection, male nut, union nut, sanitary tri-clamp, flange on stem
Stem	304 SS (standard), 316 SS Length: Above 50 mm (without thread) can be customized Diameter: 6.35, 8, 9.5, 10, 12 mm	304 SS (standard), 316 SS Length: above 50 mm (without thread) can be customized Diameter: 6.35, 8, 9.5, 10, 12 mm
Capillary Length	-	3 M ... 20 M

Thermometers

Thermowell



Threaded

Solid Bar Stock

Flanged

Model	TWC	TTW	TWF
Version	-	-	Fabricated from pipe (standard), machined from solid bar stock
Type	-	Straight, tapered, stepped	Straight, tapered, stepped
Process Connection	Male, 1/4", 3/8", 1/2", 3/4" PT, G, NPT, M	Male, 1/4", 3/8", 1/2", 3/4" PT, G, NPT, M	-
Connection to Thermometer	Female 1/4", 3/8", 1/2", 3/4" PT, G, NPT, M	Female 1/4", 3/8", 1/2", 3/4" PT, G, NPT, M	Female 1/4", 3/8", 1/2", 1" PT, G, NPT, M
Type of Process Connection	-	-	JIS, ANSI, DIN
Nominal Diameter	-	-	1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 3"
Material	304 SS (standard), 316 SS	304 SS (standard), 316 SS	304 SS (standard), 316 SS
Length	Can be customized	Can be customized	Above 25 mm (without flange) can be customized
Diameter	9.5, 10, 12, 15 mm	Can be customized	9.5, 10, 15 mm

Thermometers

Speical



LCD Display

Model	DTHD
Connection location	Bottom mount, back mount, adjustable angle
Nominal Size	3", 4"
Scale Ranges	-50°C ... 600°C
Accuracy	CL 1.0
Process Connection	304 SS 1/4", 3/8", 1/2", 3/4" PT, G, NPT, M
Connection Designs	Male thread, plain stem, compression fitting (sliding on stem), union nut and loose threaded connection, male nut, union nut, sanitary tri-clamp, flange on stem
Stem	304 SS (standard), 316 SS Length: Above 30 mm (without thread) can be customized Diameter: 7.4 (standard), 8, 9.5, 10, 12 mm



Twin-Temp

Model	DTHIT
Type	Bimetal, expansion
Connection location	Bottom mount , back mount, adjustable angle
Electrical connections	Cable outlet (K-TYPE, PT100Ω) Cable terminal box (4-20mA)
Nominal Size	3", 4", 6"
Scale Ranges	-50°C ... 600°C
Accuracy	CL 1.0
Process Connection	304 SS (standard), 316 SS 1/4", 3/8", 1/2", 3/4" PT, G, NPT, M
Connection Designs	Male thread, plain stem, compression fitting (sliding on stem), union nut and loose threaded connection, male nut, union nut, sanitary tri-clamp, flange on stem
Stem	304 SS (standard), 316 SS Length: Above 40 mm (without thread) can be customized Diameter: 10 mm, 12 mm

Thermometers

Speical



Metal Housing

Model	DET
Connection location	Bottom mount, back mount
Nominal Size	6"
Scale Ranges	0 ... 50°C, 0 ... 100°C, 0 ... 200°C
Process Connection	Copper alloy (standard), 304 SS 1/4", 3/8", 1/2" PT, G, NPT
Stem	Copper alloy (standard), 304 SS Length: 100 mm (including thread) Diameter: 9.5 mm
Case/Ring	Anodized aluminum (standard), 304 SS



Rotatable Casing

Model	GLT
Connection location	Adjustable angle
Nominal Size	9"
Scale Ranges	-50°C ... 600°C
Accuracy	±1.0% F.S.
Upper body Material	V-shaped cover in aluminum, glass thermometer with organic liquid (or mercury liquid as require)
Stem	Aluminum alloy
Thermowell	Copper alloy 3/8", 1/2", 3/4"; PT, G, NPT Length: 3.5", 6"
Case/Ring	ABS

Thermometers

Speical



LCD Display

Model	70
Accuracy	0.1% F.S. (Pt-100) 0.2% F.S.±0.5°C (Thermocouple Probe)
Output Curren	<±0.5°C (0~70°C)
Output Signal	DC 4~20mA (DC 10 to 30V(<21mA))
Sensor Current	<1mA (RTD)
Output Load Capacity	RL (max.) = (V supply-9V) /20mA (up to 750 ohms at 24VDC)
Detector Output	<0.1% F.S.
Zero Trim Range	0~±99 can be adjustable
Highest Value Trim Range	0~±199 can be adjustable



Patch

Model	80
Scale Ranges	-50°C~180°C
Material	Soft copper and copper plating
Adhesive	3M heat resistant double-piece adhesive, available for replaceable
Measuring Element	Hayashidenko ceramic planar resistor (Made in Japanese)
Wire Material	Teflon

Thermometers

Speical



RTD Transmitter

Model	ATC-6
Input	Input signal: PT100Ω (3-wire) Load resistance: ≤50Ω (3 wires with the same resistance) PT100Ω sensor current: <0.8A
Output	Output signal: 4~20mA DC two-wire Accuracy: ±0.1 of F.S Load resistance: ≤ (supply voltage-8V) /0.02AΩ Resistance stability: ±0.05%/100Ω Power stability: ±0.025%/V
Protection	PT100Ω signal disconnect protection, output: >23mA PT100Ω signal shotr-circuit protection, output: <3mA
Electrical Specification	power supply: 10~30V DC Working temperature: -20℃~60℃ Working humidity: 0%~95% rh (non condensing) Protection level: Housing: IP30; terminal: IP100 Case: ABS

Smart Transmitters



Smart Transmitters

Industrial

Hygienic

Temperature

Compact

SJ Gauge has twenty years of expertise in the Taiwanese instrumentation industry. We utilize the latest measurement technologies and offer the SJ Smart Transmitter series. We provide highly customized smart instrument solutions, helping our clients select sensing elements for smart pressure or temperature transmitters, including compact, sanitary, industrial, temperature-specific, and measurement accessories, everything tailored to client specific needs.

The product images displayed in the catalog are illustrative, and the actual products will be customized to your requirements.

Smart Transmitter

Industrial



Differential Pressure

Stainless Steel Case

Absolute Pressure

Model	MSDMP305X-DST	MSDMP305X-TLF	MSDMP305X-TST-S (Absolute)
Scale Ranges	200 Pa ... 10 MPa	5 kPa ... 100 MPa	20kPa ... 10MPa
Accuracy	±0.075% URL(standard), ±0.05% URL	±0.2% URL(standard), ±0.5% URL	±0.2% URL, ±0.075% URL
Process Connection	M20*1.5, 1/2"-14 NPT (F), 1/4"-18 NPT (F)	M20*1.5, G 1/2", G 1/4", 1/2" NPT, 1/4" NPT	M20*1.5, G1/2", G1/4", 1/2"-14NPT
Medium Temperature	-20°C ... 85°C, -20°C ... 70°C (integrated LCD display)	-20°C ... 85°C, -20°C ... 70°C (integrated LCD display)	-20°C ... 85°C, -20°C ... 70°C (integrated LCD display)
IP Rating	IP 67	IP 67	IP 67
Measuring Medium	Liquid, gas, or steam flow as well as liquid level, density and pressure	Liquid, gas, or steam flow as well as liquid level, density and pressure	Liquid, gas, or steam flow as well as liquid level, density and pressure
Output Signal	4-20mA, 4-20mA+HART	4-20mA, 4-20mA+HART, Modbus-RTU/RS485	4-20mA, 4-20mA+HART, 1-5VDC low power consumption Modbus-RTU/RS485
Voltage Supply	10.5-55VDC	10.5-55VDC	10.5-55VDC
Sensor Element	SUS 316L, Hastelloy C	SUS 316L, Hastelloy C	SUS 316L, Hastelloy C

Smart Transmitter

Industrial



Gauge Pressure

Flanged Construction

Welding Construction

Model	MSDMP305X-TST-S (Gauge)	MSSMP858-DST	MSSMP858-NST
Scale Ranges	2 kPa ... 40 MPa	10 kPa ... 1 MPa	10 kPa ... 1 MPa
Accuracy	±0.1% URL (standard), ±0.075% URL	±0.2% URL (standard), ±0.5% URL	±0.2% URL (standard), ±0.5% URL
Process Connection	M20 x 1.5 G1/2", G1/4" 1/2", 1/4" NPT 1/2", 1/4" NPT(F)	DN50PN10, DN80PN10, DN100PN10	DN50PN10, DN80PN10, DN100PN10
Medium Temperature	-20°C ... 85°C, -20°C ... 70°C (integrated LCD display)	-40°C ... 85°C, -20°C ... 70°C (integrated LCD display)	-40°C ... 85°C, -20°C ... 70°C (integrated LCD display)
IP Rating	IP 67	IP 67	IP 67
Measuring Medium	Liquid, gas, or steam flow as well as liquid level, density and pressure	Viscous, paste-like, crystallizing, particulate containing and contaminated media	Liquid, gas, or steam flow as well as liquid level, density and pressure
Output Signal	4-20mA, 4-20mA+HART, 1-5VDC	4-20mA, 4-20mA+HART, Modbus-RTU/RS485	4-20mA, 4-20mA+HART, Modbus-RTU/RS485
Sensor Element	SUS 316L, Hastelloy C	SUS 316L, Hastelloy C	SUS 316L, Hastelloy C

Smart Transmitter

Industrial



Remote Diaphragm Seal

Diaphragm Seals

Model	MSSMP858-NST	MSSMP858-TST-S
Scale Ranges	4 kPa ... 1 MPa	10 kPa ... 3 MPa
Accuracy	±0.2% URL (standard), ±0.5% URL	±0.2% URL (standard), ±0.5% URL
Process Connection	Tri-Clamp 1-1/2", Tri-Clamp 2", DN50PN10, DN80PN10, DN100PN10	DN50PN10, DN80PN10, DN100PN10
Medium Temperature	-40°C ... 85°C, -20°C ... 70°C (integrated LCD display)	-40°C ... 85°C, -20°C ... 70°C (integrated LCD display)
IP Rating	IP 67	IP 67
Measuring Medium	Liquid, gas, or steam flow as well as liquid level, density and pressure	Liquid, gas, or steam flow as well as liquid level, density and pressure
Output Signal	4-20mA, 4-20mA+HART	4-20mA, 4-20mA+HART
Sensor Element	SUS 316L, Hastelloy C	SUS316L, Hastelloy C, Tantalum, SUS316 + PTFE, Tantalum + PTFE, Hastelloy C + PTFE

Smart Transmitter

Hygienic

		
	DIN connector	Stainless Steel Case
Model	MSSMP858-TSD-S	MSDMP305X-TLF
Type	Standard, high-temperature	Bottom mount, back mount
Scale Ranges	10 kPa ... 3 MPa	10 kPa ... 3 MPa
Accuracy	±0.2% URL(standard), ±0.5% URL	±0.2% URL(standard), ±0.5% URL
Process Connection	Tri-Clamp 1 1/2", Tri-Clamp 2", DIN32676 DN32, SO2852, DRD	Tri-Clamp, DIN32676, ISO2852, DIN 11851, SMS, IDF, DRD
Output Signal	4-20mA, 4-20mA+HART, Modbus-RTU/RS485	4-20mA, 4-20mA+HART

Smart Transmitter

Temperature



Compact



Stainless Steel Case



**Aluminum-alloy
Terminal**

	Compact	Stainless Steel Case	Aluminum-alloy Terminal
Model	MSLG200-DRD(H)	MSLG200-FRF	MSLG200-WRT
Scale Ranges	-50°C ... 400°C	-50°C ... 400°C	-50°C ... 400°C
Accuracy	±0.5% URL	±0.5% URL	±0.5% URL
Process Connection	M20*1.5, G1/2", 1/2" NPT, Tri-Clamp 1 1/2", Tri-Clamp 2"	M20*1.5, G1/2", 1/2" NPT, Tri-Clamp 1 1/2", Tri-Clamp 2"	M20*1.5, G1/2", 1/2"NPT, DN50PN10, DN25PN10
Output Signal	4-20mA, PT 100	4-20mA	4-20mA, 4-20mA+HART, 1-5 VDC, Modbus-RTU/RS 485
Electrical Connections	DIN 43650, IP65 Circular connector, 4 pin, M12 x 1, IP67	Stainless steel terminal, circular connector, M12 * 1, 4 pin, IP 67, vertical mounting Stainless steel terminal, circular connector, M12 * 1, 4 pin, IP 67, horizontal mounting	Aluminum-alloy terminal, 2 cable entry, M20 * 1.5 (F) red body, white cover
Diameter	6mm, 8mm, 10mm, 12mm, 14mm, 16 mm	6 mm, 8 mm, 10 mm, 12 mm, 14 mm	6mm, 8mm, 10mm, 12mm, 16mm

Smart Transmitter

Compact



Differential Pressure

Electronic

High-quality

Model	MSSMP131-DLD	MSPS131-TSR	MSSMP131-TSD(H) (Gauge)
Scale Ranges	-10 kPa ... 3.5 MPa	1 kPa ... 40 MPa	2 kPa ... 40 MPa
Accuracy	±0.2% URL (standard), ±0.5% URL, ±0.1% URL	±0.1% URL	±0.1% URL (standard), ±0.075% URL
Process Connection	M 20*1.5, G 1/2", G 1/4", G 1/4"(F), 1/4"NPT, 1/4"NPT(F)	M20*1.5 , G 1/2" , G 1/4" , 1/2" NPT(F), 1/4" NPT(F)	M20*1.5, G 1/2", G 1/4", 1/2"NPT, 1/4" NPT, 1/2"NPT(F), 1/4"NPT(F)
Medium Temperature	-40°C ... 85°C	-20°C ... 85°C	-40°C ... 85°C
Measuring Medium	Liquid, gas, or steam flow as well as liquid level, density and pressure	Liquid, gas, or steam flow as well as liquid level, density and pressure	Liquid, gas, or steam flow as well as liquid level, density and pressure
Output Signal	4-20mA, 4-20mA+HART, 0.5-4.5 VDC, Modbus-RTU/RS485	4-20mA, 0.5-4.5 VDC, Modbus-RTU/RS485, PNP or NPN output	4-20mA, 4-20mA+HART, 0-5 VDC, Modbus-RTU/RS485
Electrical Connections	DIN43650 connector, IP65	M12*1,5 pins, circular connector, IP67	DIN43650 connector, IP65 M12 * 1 circular connector, 4 pin, IP67

Smart Transmitter

Compact



Attachable Digital Indicator

Model	MSLCD11
Type	Standard terminal box installation, DIN installation, M12*1(5-pin) installation
Power Supply	Two-loop power supply, 4-20mA Max pressure drop: Without backlight 6 VDC With backlight 8 VDC
Accuracy	$\pm 0.1\%$ URL., ± 1 bit
Output Signal	4-20mA
Site Operation	3 buttons, all parameters can be modified at the site
ADC Sampling	24 bits
Case/Ring	ABS + PC
Rotation Angle	350°
On-off Alarm Function	Without on- off alarm output, with 1 way on- off alarm output, with 2 ways on- off alarm output

Digital Panel Meters



Digital Panel Meters

Digital Panel Meters

SJ Gauge is a Taiwanese supplier specializing in pressure gauges, thermometers, smart pressure and temperature transmitters, alongside related measurement equipment and components. We also provide accessories that can be used in conjunction with pressure measurement instruments, including multifunctional display panel meters, analog input, large displays and other product series.

The product images displayed in the catalog are illustrative, and the actual products will be customized to your requirements.

Digital Panel Meters

Digital Panel Meters



4 Digits

5 Digits

Multiple Output Signal

Model	UMA4	UMA5	NAC5
Accuracy	±0.1% F.S. ±1 digit (DC) ±0.2% F.S. ±1 digit (AC)	±0.1% F.S. ±1 digit (DC) ±0.2% F.S. ±1 digit (AC)	±0.1% F.S. ±1 digit (DC/Potentiometer/Resistor/PT-100/- Load Cell) ±0.2% F.S. ±1 digit (AC)
Display Screen	High brightness red LED 20.5 mm (0.8")	High brightness red LED 20.5 mm (0.8")	High brightness red LED 20.5 mm (0.8")
Display Range	-1999 ... 9999	-19999 ... 99999	-19999 ... 99999
Communication	RS485 Modbus RTU mode	RS485 Modbus RTU mode	RS485 Modbus RTU mode
Baud Rate	19200/9600/4800/2400 bps	19200/9600/4800/2400 bps	19200/9600/4800/2400 bps
Power Supply	AC/DC 100V ... 240V AC/DC 22V ... 50V	AC/DC 100V ... 240V AC/DC 22V ... 50V	AC/DC 100V ... 240V AC/DC 22V ... 50V
Power Consumption	< 6.5VA	< 6.5VA	< 6.5VA

Digital Panel Meters

Digital Panel Meters



Large Screen Display

Model	LMPL
Display Characters	2.3" Length: 4.8 cm Height: 5.8 cm 4" Length: 6 cm Height: 10 cm
Display Screen	LED display 2.3" Length: 27 cm Height: 10 cm 4" Length: 37 cm, 45 cm, 55 cm, depending on display characters Height: 15 cm
Display Range	3 Digits: 0 ... 999 4 Digits: 0 ... 9999 5 Digits: 0 ... 99999
Communication	RS485 Modbus RTU mode
Baud Rate	9600 bps
Power Supply	AC/DC 100V ... 240V DC 24V

Measuring Accessories



Measuring Accessories

Measuring Equipment
and Component

SJ Gauge offers a complete range of accessories for pressure and temperature measurement instruments, which can be used to protect instruments, control pressure or temperature process medium, and facilitate heat dissipation. These accessories include stainless steel elbows, pressure dampers, heat exchangers, check valves, ball valves, overpressure protectors, multi-way valve assemblies, and more. If you have any other specific requirements, please feel free to contact us for inquiries.

The product images displayed in the catalog are illustrative, and the actual products will be customized to your requirements.

Measuring Accessories

Measuring Equipment and Component



Valve Monifold

Model	MSFZ20, 2-valve manifold MSFZ30, 3-valve manifold MSFZ50, 5-valve manifold
Safety Shotpin	Adopting stainless steel pin to prevent the valve seat out off the valve body due to vibration
Valve Body Design	Integral structure, firm and reliable
Valve Seat Seal	Stainless steel seal, safe and reliable
Valve Spool	High-performance duplex stainless steel and spherical positioning function to improve sealing performance and service life of the valve
Lubricating Grease	Imported grease used between the sealing gasket and adjusting screw to reduce friction and improve sealing performance
Material	304 SS, 316 SS, Monel, Hastelloy C
Marked Cover	Green, red, and blue marks for the pressure-leading valve, balance valve, and draining valve respectively
Stuffing Box Filler	PTFE



Siphon Tube

Model	PRA-SP
Process Connection	1/4", 3/8", 1/2" PT, G, NPT, M
Connection Designs	Male thread, male nut, union nut, welded type (without thread)
Material	Carbon steel, 304 SS, 316 SS

Measuring Accessories

Measuring Equipment and Component



Pressure Gauge Cock

Model	PRA-BV
Process Connection	Female 1/4", 3/8", 1/2" PT
Material	Carbon steel, 304 SS, 316 SS



Pressure Snubber

Model	PRA-SB
Process Connection	Female, male 1/8", 1/4", 3/8", 1/2" PT, G, NPT, M
Material	304 SS, 316 SS

Measuring Accessories

Measuring Equipment and Component



Cooling Element

Model	PRA-C
Process Connection	Female, male 1/4", 3/8", 1/2" PT, G, NPT, M
Material	304 SS, 316 SS
Length	100 mm (standard), 50~400 mm

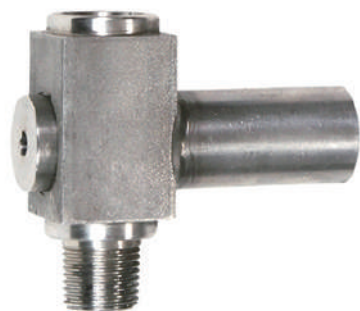


Capillary

Model	PRA-CL
Process Connection	Female, male 1/4", 3/8", 1/2" PT, G, NPT, M
Instrument Connection	Female, male 1/4", 3/8", 1/2" PT, G, NPT, M
Sheathing	304 SS (standard), PVC
Capillary	Length: 0.5 ... 20 M Material: 304 SS, 316 SS, copper

Measuring Accessories

Measuring Equipment and Component



Overpressure Protector

Model	PRA-OP
Thread	BSP: 1/4", 1/2" NPT: 1/4", 3/8", 1/2" (Male & Female)
Material	316 SS
Setting Range	1.0~400bar
O Ring	Fluororubber

QUALITY AND CERTIFICATE



At SJ Gauge, we steadfastly adhere to the principle of providing the same high-quality measurement solutions worldwide, ensuring that our customers can access SJ Gauge's premium products and comprehensive after-sales service support regardless of geographical constraints.

SJ Gauge's quality processes encompass four fundamental elements



We implement day-to-day quality management, delivering products and services that meet customer expectations. We establish quality objectives and measures and execute various quality initiatives to meet those goals each year.



Sin Jia Enterprise Co., Ltd. has been recognized and certified through Dun & Bradstreet as a reputable, financially transparent, and trustworthy enterprise. Our products undergo inspection processes in laboratories compliant with the ISO/IEC 17025 Quality Management System, certified by TUV Rheinland Germany, and enjoy the precision recognition of both the Taiwan Accreditation Foundation and the International Laboratory Accreditation Cooperation Mutual Recognition Arrangement.

Our instruments meet NML (National Measurement Laboratory) standards here in Taiwan and are accredited by the National Voluntary Laboratory Accreditation Program — authorized by the National Institute of Standards and Technology, USA.

4ManPro

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Manufacturing Processes*

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