



**WELCOME YOUR CUSTOMIZED OR OEM.**

**China Head Office**  
**CHANGSHU HERUN IMPORT & EXPORT CO.,LTD**

Hetai Village, Xinzhuang Town, Changshu  
Jiangsu Province, 215555, P.R.China  
Tel : +86 (0) -512-65726409  
Mobile : +86 (0) -15862371555  
E-mail : sales@csherun.com  
Http : //www.csherun.com

**Thailand Distributor**  
**AS SOLUTION TECHNOLOGY CO., LTD**

38/28 M.6 T.Banchang, A.Banchang, Rayong  
21130 Thailand.  
Tel : +66(0)98-593-8789  
E-mail: sanya.s@assolutech.com  
Https : //www.assolutech.com

[www.csherun.com](http://www.csherun.com)

**VietNam Branch Company**  
**XIAMEN BIEN HOA IMPORT EXPORT CO.,LTD**

No. 3/29, Vu Hong Pho Street, Quarter 2. Binh  
Da Ward, Bien Hoa, Dong Nai Province, VietNam.  
Tel : +0765491166  
E-mail: sales@csherun.com

**CHANGSHU HERUN IMPORT & EXPORT CO.,LTD**

**CHINA • CHANGSHU**





## COMPANY INTRODUCTION

As a globally operating enterprise, the field of pressure and temperature measurement is an important component of the company's business. With numerous high-quality employees, the company has also developed its own standards in liquid level and flow measurement, calibration technology, and SF6 gas solutions.

CSHERUN was established in 2009. With high-quality employees, high-precision instruments, and comprehensive services, its products can now meet the requirements of most industrial measurement technologies.

Every year, over 10 million high-quality products are delivered and used in batches ranging from 1 to over 10000. We will become your reliable partner with excellent technology and high-quality service.

## DIRECTORY

02 PRESSURE MEASURING

16 PRESSURE SENSORS

19 ELECTRONIC PRESSURE SWITCH

22 FLOW METER  
SF6 GAS SOLUTIONS

24 VALVES AND MOUNTING  
ACCESSORIES

13 DIAPHRAGM SEALS

17 PRESSURE TRANSMITTER

21 TEMPERATURE

23 CALIBRATION

26 Pressure gauge movement

## BOURDON TUBE PRESSURE GAUGE



Mini Pressure Gauge  
Copper alloy

Model:	PB25.050(Back connection)
Application:	For gaseous and liquid media
Nominal size(mm):	14.5, 25
Scale ranges:	0 ... 0.6 to 0 ... 400bar
Accuracy class:	2.5
Material of wetted parts:	Copper alloy



Copper alloy, plastic case  
Standard Version

Model:	PB02.050(Back connection) PB02.010(Bottom connection)
Application:	For gaseous and liquid media
Nominal size(mm):	40 [1 1/2"], 50 [2"], 63 [2 1/2"], 80 [3"], 100 [4"] and 160 [6"]
Scale ranges:	0 ... 0.6 to 0 ... 400bar
Accuracy class:	1.0, 1.6, 2.5
Material of wetted parts:	Copper alloy



Fire Extinguisher Gauge  
Stainless steel case, Copper alloy

Model:	Fe01
Application:	For gaseous and liquid media
Nominal size(mm):	35
Scale ranges:	0 ... 400bar
Accuracy class:	4.0
Material of wetted parts:	Copper alloy



Welding Gauge  
Copper alloy, steel case

Model:	TW02.050(Back connection) TW02.010(Bottom connection)
Application:	For welding, cutting and allied processes
Nominal size(mm):	40, 50, 63
Scale ranges:	0 ... 0.6 to 0 ... 400bar Measurement of oxygen, acetylene, and other gases
Accuracy class:	2.5
Material of wetted parts:	Copper alloy

## BOURDON TUBE PRESSURE GAUGE



**Steel case, Copper alloy  
Industrial Version**

Model:	TS01.050(Back connection)
	TS01.010(Bottom connection)
Application:	For gaseous and liquid media
Nominal size(mm):	40, 50, 63, 80, 100, 160
Scale ranges:	0 ... 0.6 to 0 ... 400bar
Accuracy class:	1.0, 1.6, 2.5
Material of wetted parts:	Copper alloy



**Pressure thermometer  
Plastic/steel case, Copper alloy**

Model:	TP01.050(plastic case)
	TP02.050(steel case)
Application:	For pressure and temperature measurement
Nominal size(mm):	40, 50, 63, 80
Scale ranges:	0 ... 16 bar, 0 ... 150°C
Accuracy class:	Pressure 2.5 (EN837-1) Temperature ±2.5°C
Material of wetted parts:	Copper alloy

**Refrigerant gauge  
Stainless steel case,  
Copper alloy or stainless steel**



Model: BR01.072

Application: For refrigeration engineering to simultaneously measure the pressure and temperature of steam.

Nominal size(mm): 63, 80

Scale ranges: 0 ... 40bar

Accuracy class: 1.6

Material of wetted parts: Copper alloy



**Copper alloy case,  
liquid filling**

Model: B202.070(Back connection)  
B202.030(Bottom connection)

Application: Used for measuring places with dynamic loads and vibrations

Nominal size(mm): 63, 100

Scale ranges: 0 ... 0.6 to 0 ... 1000bar

Accuracy class: 1.0, 1.6(NS:63mm)

Material of wetted parts: Copper alloy

## BOURDON TUBE PRESSURE GAUGE



**Stainless steel case,  
Copper alloy, liquid filling**

Model: BC01.070(Back connection)

BC01.030(Bottom connection)

Application: Used for measuring places with dynamic loads and vibrations

Nominal size(mm): 40, 50, 63, 100

Scale ranges: 0 ... 0.6 to 0 ... 600bar

Accuracy class: 1.0/1.6/2.5

Material of wetted parts: Copper alloy



**Stainless steel  
compact version**

Model: SP02.010

Application: For gaseous and liquid aggressive media, also in aggressive environments

Nominal size(mm): 40, 50, 63

Scale ranges: 0 ... 1.0 to 0 ... 600bar

Accuracy class: 1.6, 2.5

Material of wetted parts: Stainless steel



**Stainless steel case, Copper alloy  
Industrial version**

Model: BW03.050(Back connection)

BW03.010(Bottom connection)

Application: For gaseous and liquid media

Nominal size(mm): 100, 160

Scale ranges: 0 ... 0.6 to 0 ... 600bar

Accuracy class: 1.0

Material of wetted parts: Copper alloy



**Stainless steel  
standard version**

Model: SW06.010 (Bottom connection)  
SW06.030 (Liquid filling)  
SW06.050 (Back connection)  
SW06.070 (Liquid filling)

Application: For gaseous and liquid aggressive media, also in aggressive environments

Nominal size(mm): 63, 100, 160

Scale ranges: 0 ... 0.6 to 0 ... 600bar

Accuracy class: 0.5/1.0/1.6

Material of wetted parts: Stainless steel/Monel/Hastelloy C

## BOURDON TUBE PRESSURE GAUGE



Precess pressure gauge,  
Safety version Phenolic case,  
Stainless steel/monel/Hastelloy C

Model:	S.SP01.010
	S.SP01.030(Liquid filling)
Application:	For gaseous and liquid aggressive media, also in aggressive environments
Nominal size(mm):	115, 160
Scale ranges:	0 ... 0.6 to 0 ... 1000bar
Accuracy class:	0.5, 1.0
Material of wetted parts:	Stainless steel/monel/Hastelloy C



Solid front, Safety version  
Stainless steel/Monel/Hastelloy C

Model:	SA03.010 (Bottom connection) SA03.030 (Liquid filling) SA03.050 (Back connection) SA03.070 (Liquid filling)
Application:	For gaseous and liquid aggressive media, also in aggressive environments
Nominal size(mm):	63, 100, 160
Scale ranges:	0...0.6 to 0.....600bar
Accuracy class:	0.5/1.0/1.6
Material of wetted parts:	Stainless steel/Monel/Hastelloy C

Monel pressure gauge  
standard version

Model:	SM03.010 (Bottom connection) SM03.030 (Liquid filling) SM03.050 (Back connection) SM03.070 (Liquid filling)
Application:	For gaseous and liquid aggressive media, also in aggressive environments
Nominal size(mm):	63, 100, 160
Scale ranges:	0 ... 0.6 to 0 ... 1600bar
Accuracy class:	1.0
Material of wetted parts:	Monel

Pressure Gauge  
200, 250, 300mm

Model:	S.SW06.010
Application:	For gaseous and liquid aggressive media, also in aggressive environments
Nominal size(mm):	200, 250, 300
Scale ranges:	0...600bar
Accuracy class:	1.0
Material of wetted parts:	Stainless steel

## HIGHEST PRESSURE MEASURING

Highest pressure measuring  
Up to 2500bar

Model:	S.SW06HP-S S.SA06HP-S (safety version)
Application:	For liquid media in high-pressure applications (e.g. water, hydraulic oil) Test benches (e.g. for hydraulic components) Water jet cutting High-pressure cleaning High-pressure generation
Nominal size(mm):	100, 160, 250
Scale ranges:	0...2500bar
Accuracy class:	1.6
Material of wetted parts:	Stainless steel

Highest pressure measuring  
Up to 8000bar

Model:	S.SW06HP-P S.SA06HP-P (safety version)
Application:	For liquid media in high-pressure applications (e.g. water, hydraulic oil) Test benches (e.g. for hydraulic components) Water jet cutting High-pressure cleaning High-pressure generation
Nominal size(mm):	100, 160, 250
Scale ranges:	0...8000bar
Accuracy class:	1.6
Material of wetted parts:	Stainless steel

ULTRA-HIGH PURITY  
PRESSURE GAUGEUltra-high purity  
pressure gauge

Model:	UPG50
Application:	Suitable for the high purity gas distribution system used in a semiconductor, electronic, medical, biotechnology and pharmaceutical industry
Nominal size(mm):	40, 50, 63
Scale ranges:	0 ... 4000psi
Accuracy class:	ASME 40.100-2013 Grade A
Cleanliness:	IEST-STD-CC1246 Level 100 R1 (Exceeds ASME B40. 100 Level IV)
Gas path surface finish:	< 10 Ra $\mu$ m (Internal)
Material of wetted parts:	Stainless steel

Ultra-high purity pressure  
gauge with reed switch

Model:	UPG50-RS
Application:	(Ultra) High purity gas delivery systems, Gas sticks, Process gas analyzers, Semiconductor, Cylinder Cabinet, Exhaust gas for CVD and etching equipment
Nominal size(mm):	50
Scale ranges:	-1 ... 0 to 0 ... 4000psi
Accuracy class:	2.5
Switch:	5% of span at Switch Point
Gas path surface finish:	Ra< 10 $\mu$ m (0.25um Internal) -EP(VCR)
Material of pressure connection:	SS316L VIM/VAR

## CAPSULE PRESSURE GAUGE

Capsule pressure gauge  
Steel case, copper alloy

Model:	S.CB05
Application:	For gaseous, dry and non-aggressive media
Nominal size(mm):	50, 63, 100
Scale ranges:	0 ... 60 to 0 ... 1000mbar
Accuracy class:	2.5
Material of wetted parts:	Copper alloy

Capsule pressure gauge  
Stainless steel

Model:	S.CS02
Application:	For gaseous, dry and aggressive media, also in aggressive environments
Nominal size(mm):	63, 100, 160
Scale ranges:	0 ... 2.5 mbar to 0 ... 1000 mbar or 0 ... 1 inH2O to 0 ... 240 inH2O
Accuracy class:	1.6, 2.5
Material of wetted parts:	Stainless steel

Capsule pressure gauge  
Stainless steel case, Copper alloy

Model: S.CB06

Application: For gaseous, dry and non-aggressive media

Nominal size(mm): 63, 100, 160

Scale ranges: 0 ... 10 to 0 ... 1000mbar

Accuracy class: 1.6, 2.5

Material of wetted parts: Copper alloy



## TEXT GAUGE



Text gauge, Copper alloy

Model: TG12

Application: For gaseous and liquid media that are not highly viscous or crystallising and will not attack copper alloy parts

Nominal size(mm): 160, 250

Scale ranges: 0 ... 0.6 bar to 0 ... 600 bar

Accuracy: 0.25%, 0.4%, 0.6%

Material of wetted parts: Copper alloy

Capsule pressure gauge  
Phonic case, safety version

Model: CP150

Application: For gaseous, dry and aggressive media, also in aggressive environments

Nominal size(mm): 150

Scale ranges: 0 ... 25 mbar to 0 ... 1000mbar

Accuracy class: 2.5

Material of wetted parts: Copper alloy/stainless steel

Text gauge, Stainless steel



Model: TG32

Application: For gaseous and liquid aggressive media that are not highly viscous or crystallising, also in aggressive environments

Nominal size(mm): 160, 250

Scale ranges: 0 ... 0.6 bar to 0 ... 600 bar

Accuracy: 0.25%, 0.4%, 0.6%

Material of wetted parts: Copper alloy

Pressure gauge with  
switch contacts  
Copper alloy

Model: EC01

Application: For gaseous and liquid media that are not highly viscous or crystallising and will not attack copper alloy parts

Nominal size(mm): 100, 160

Scale ranges: 0 ... 0.6bar to 0 ... 600 bar

Accuracy class: 1.0

Material of wetted parts: copper alloy

Contact pressure gauge  
Stainless SteelModel: EC02.010(Bottom connection)  
EC02.050(Back connection)

Application: For gaseous and liquid aggressive media that are not highly viscous or crystallising, also in aggressive environments

Nominal size(mm): 100, 160

Scale ranges: 0 ... 0.6bar to 0 ... 1600 bar

Accuracy class: 1.0

Material of wetted parts: stainless steel

## PRESSURE GAUGE WITH OUTPUT SIGNAL



Pressure gauge with output signal

Model:	EC03
Application:	Measurement and indication of process pressure Output signal 4 ... 20 mA Process industry
Nominal size(mm):	63, 100, 160
Scale ranges:	0 ... 0.6 bar to 0 ... 1,600 bar
Output signal:	4 ... 20 mA
Accuracy class:	1.6
Material of wetted parts:	Stainless steel

## DIFFERENTIAL PRESSURE GAUGE



Differential pressure gauge, all-metal media chamber

Model:	DP73
Application:	For gaseous and liquid aggressive media that are not highly viscous or crystallising, also in aggressive environments
Nominal size(mm):	100, 160
Differential pressure measuring ranges:	From -1 ... +30 bar to 0 ... 40 bar
Material of wetted parts:	Stainless steel/Monel/Hastelloy C276

## Differential pressure gauge With Magnetic Piston



Model: DP80

Application:	For gaseous and liquid media that are not highly viscous or crystallising
Nominal size(mm):	80
Scale ranges:	0 ... 400 mbar to 0 ... 10 bar
Accuracy class:	3
Material of wetted parts:	Stainless steel

## Differential pressure gauge, all-metal media chamber



Model: DP72

Application:	For gaseous and liquid aggressive media that are not highly viscous or crystallising, also in aggressive environments
Nominal size(mm):	100, 160
Scale ranges:	0 ... 16 mbar to 0 ... 40 bar
Accuracy class:	1.0, 1.6, 2.5
Material of wetted parts:	Stainless steel

## DIAPHRAGM PRESSURE GAUGE



## Diaphragm Pressure Gauge

Model: DP43

Application:	Process industry: Chemical industry, petrochemical industry, oil and gas, power generation, water and wastewater technology, machine building and general plant construction
Nominal size(mm):	100, 160
Scale ranges:	-1 ... 0 bar to 0 ... 25 bar
Accuracy :	1.6, 2.5
Material of wetted parts:	Stainless steel

## DIAPHRAGM SEAL SYSTEM



Pressure gauge per EN 837-1 with mounted diaphragm seal With milk threaded fitting

Model:	DSS555.18F
Application:	Hygienic pressure measurement in sanitary applications for the food and beverage industry
Nominal size(mm):	100
Scale ranges:	0 ... 1 to 0 ... 25 bar
Accuracy class:	1.0
Material of wetted parts:	Stainless steel



Pressure gauge per EN 837-1 with mounted diaphragm seal With threaded connection, welded design

Model: DSS551.34M

Application:	For aggressive, contaminated or hot media, used in process industry and water treatment.
Nominal size(mm):	100
Scale ranges:	0 ... 1 to 0 ... 60 bar
Accuracy class:	1.0
Material of wetted parts:	Stainless steel



Pressure gauge per EN 837-1 with mounted diaphragm seal With clamp connection

Model:	DSS530.22F
Application:	Hygienic pressure measurement in sanitary applications for the food and beverage industry
Nominal size(mm):	100
Scale ranges:	0 ... 0.6 to 0 ... 25 bar
Accuracy class:	1.0
Material of wetted parts:	Stainless steel

## DIAPHRAGM SEAL SYSTEMS



Pressure gauge per EN 837-1  
with mounted diaphragm seal  
With threaded connection, thread design

Model: DSS550.10M

Application: For aggressive, hot, corrosive, environmentally hazardous or toxic media, used in chemical, petrochemical industries and process industry.

Nominal size(mm): 100

Scale ranges: 0 ... 1 to 0 ... 60 bar

Accuracy class: 1.0

Material of wetted parts: Stainless steel



Pressure gauge per EN 837-1  
with mounted diaphragm seal  
With flange connection, flush diaphragm

Model: DSS560.27M

Application: For aggressive, highly viscous, crystallising or hot media, used in the chemical process and petrochemical industries.

Nominal size(mm): 100

Scale ranges: 0 ... 1 to 0 ... 60 bar

Accuracy class: 1.0

Material of wetted parts: Stainless steel

## DIGITAL PRESSURE GAUGE



Digital Pressure gauge

Model: CS601

Application: For Oil and gas industry

Nominal size(mm): 92.6

Scale ranges: -1-0 bar to 0-700 bar

Accuracy class: up to 0.05%

Material of wetted parts: Stainless steel

Precision digital pressure gauge



Model: CS108

Application: For oil and gas industry, calibration service

Nominal size(mm): 95

Scale ranges: -1-0 bar to 0-2500 bar

Accuracy class: up to 0.025 %  
(incl. calibration certificate)

Material of wetted parts: Stainless steel

## DIGITAL PRESSURE GAUGE



Digital Pressure Gauge

Model: TPS.08 battery types

Application: Measure non corrosive media such as gas, liquid, oil, etc.

Nominal size(mm): 40, 50, 65, 80, 100

Scale ranges: -1 ... 0 bar to 0 ... 6000 bar

Power supply: Battery

Material of connection: Stainless steel

Digital Pressure Gauge



Model: TPS.08 wire connection types

Application: Measure non corrosive media such as gas, liquid, oil, etc.

Nominal size(mm): 40, 50, 65, 80, 100

Scale ranges: -1 ... 0 bar to 0 ... 6000 bar

Accuracy: 0.05%, 0.1%, 0.2%, 0.5%

Power supply: 24V

Material of connection: Stainless steel



Digital pressure gauge

Model: TPS.10

Application: For a wide range of pressure measurement and calibration applications.

Nominal size(mm): 100

Scale ranges: -1 ... 0 bar to 0 ... 6000 bar

Accuracy class: 0.05%, 0.1%, 0.2%

Power supply: Battery

Output: RS485 OR RS232

Communication: Blue communication  
Communication with CSHERUN's Link Mobile App

Material of connection: Stainless steel

## DIAPHRAGM SEAL WITH THREADED CONNECTION



Diaphragm seals with threaded connection  
Thread design

Model: DS550.10

Application: For aggressive, hot, corrosive, environmentally hazardous or toxic media

Diaphragm seals with threaded connection  
Flush diaphragm or with protective plate

Model: DS551.36

Application: For highly viscous or crystallising media, For hard and abrasive media, Hygienic application



Diaphragm seals with threaded connection  
Welded design

Model: DS551.34

Application: For aggressive, hot, corrosive, environmentally hazardous or toxic media

Diaphragm seals with threaded connection  
Internal diaphragm, welded design

Model: DS551.38

Application: Process industry, Suitable for corrosive, contaminated or heterogeneous pressure media



Diaphragm seals with threaded connection  
Plastic version

Model: DS551.31

Application: For aggressive, corrosive or environmentally hazardous media



Diaphragm seals with flange connection  
With internal diaphragm

Model: DS560.26

Application: For aggressive, high viscous, crystallising or hot media

## DIAPHRAGM SEAL WITH FLANGE CONNECTION



Diaphragm seals with flange connection  
With flush diaphragm

Model: DS560.27

Application: Aggressive, highly viscous, crystallising or hot media



Diaphragm seal with sterile connection  
With union nut(milk thread fitting)

Model: DS555.18, DS555.19, DS555.20, DS555.21

Application: Food and beverage production, For dairies, dairy products, Breweries, Filling systems, Filtration, separation, pasteurisation



Diaphragm seal with sterile connection  
Aseptic connection per DIN 11864

Model: DS530.51

Sanitary applications, Food and beverage production, Pharmaceutical industry, biotechnology industry, production of active ingredients. Production of aseptic basic materials in the chemical industry

Application:

### FLUSHING RING FOR FLANGE-CONNECTION DIAPHRAGM SEALS



Flushing ring  
For flange-connection  
diaphragm seals

Model: DS510.27

Application: For flange-connection diaphragm seals with flush diaphragm or cell-type design

Diaphragm seal with sterile connection  
With clamp connection (TRI - CLAMP)

Model: DS530.22, DS530.52, DS530.53

Application: Sanitary applications, Gases, compressed air, vapour; liquid, pasty, powdery and crystallising media, Ultra-pure steam systems, Mounting to pipelines and vessels, Pressure/vacuum monitoring, e.g. vacuum conveyors, pump monitoring



### Pressure sensors

Model: TPS.03

Measuring principle: Thin-film-on-steel

Application: Machine building, Measurement and control technology, Hydraulics and pneumatics, Pumps and compressors

Measuring ranges: 0 ... 250Mpa

Accuracy:  $\pm 0.1\%FS, \pm 0.25\%FS, \pm 0.5\%FS$

Rise time:  $\leq 1ms$

Long term stability:  $\leq 0.1\% FS/year$

Durability: 107 times

Medium temperature:  $-40^{\circ}C ... +125^{\circ}C$

Output signal: 4 ... 20mA, 0 ... 10VDC, 0 ... 5VDC, 0.5 ... 4.5VDC, 1 ... 6VDC, CAN open

Pressure connection: G1/4, G1/2, NPT1/4, NPT1/2

Electrical connection: Delphi Packard Metri Pack(3 pin), Hirschmann EN 175301-803-A(DIN 43650-A), Hirschmann EN 175301-803-C(DIN 43650-C), Deutsch DT04 (3 pin), Deutsch DT04 (4 pin), Deutsch DTM04 (3 pin), M12X1 (4 pin) Plastic, M12X1 (4 pin) Metal, AMP Superseal (3 pin), Shielded cable with PVC jacket and 24 AWG leads

## PRESSURE TRANSMITTER



## Industrial Pressure Transmitter

Model:	TPS.04
Measuring principle:	Diffused silicon
Application:	Machine building, Measurement and control technology, Hydraulics and pneumatics, Pumps and compressors
Measuring ranges:	-100kPa ... 700Mpa
Accuracy:	± 0.1%FS, ± 0.25%FS, ± 0.5%FS
Rise time:	≤3ms
Long term stability:	≤ 0.3% FS/year
Durability:	10 <sup>7</sup> times
Medium tempreature:	-40°C ... +125°C
Output signal:	4 ... 20mA, 0 ... 10VDC, 0 ... 5VDC, 0.5 ... 4.5VDC, 1 ... 6VDC
Pressure connection:	G1/4A male



## Pressure/ Absolute Pressure Transmitter

Model:	TPS.09.PT
Measuring rangs:	Pressure 6kPa ... 40MPa Absolute Pressure 20kPa ... 10MPa
Output:	4 - 20mA + HART, RS485
Accuracy:	± 0.05%FS, ± 0.075%FS, ± 0.1%FS
Process connection:	M20*1.5(M), G1/2(M), G1/4(M), NPT1/2(M)
Medium:	Liquid, Air or Steam

## PRESSURE TRANSMITTER



## 4G Wireless with Solar Pressure Transmitter

Model:	TPS.09.WPS
Measuring rangs:	0kPa to 20kPa ... 40MPa
Accuracy:	± 0.025%FS, ± 0.1%FS, ± 0.5%FS
Configuration Method:	Local Bluetooth/Remote Platform
Communication method:	4G/LoRaWAN/Zigbee A11
Communication protocol:	MQTT
SIM Card:	Nano SIM (12mm * 9mm)
Data Transmission:	4G



## Differential Pressure Transmitter

Model:	TPS.09.DP
Measuring rangs:	1kPa ... 3MPa
Output:	4 - 20MA + HART, RS485
Accuracy:	± 0.05%FS, ± 0.075%FS, ± 0.1%FS
Process connection:	M20*1.5(M), NPT1/4(F), UNF7/16(F)
Medium:	Liquid, Air or Steam



## Remoter Seals Differential Pressure Transmitter

Model:	TPS.09.DF
Measuring rangs:	6kPa ... 3MPa
Output:	4 - 20MA + HART, RS485
Accuracy:	± 0.1%FS, ± 0.25%FS, ± 0.5%FS
Process connection:	DN50, DN80
Medium:	Liquid, Air or Steam

## ELECTRONIC PRESSURE SWITCH WITH DISPLAY



Electronic pressure  
switch with display

Model: TPS.01SW

Application: Machine tools, Hydraulics and pneumatics, Food and pharmaceutical industry

Measuring ranges: -1 ... 0 to 0 ... 1000bar

Display: 4 digit LED

Switching function: Hysteresis

Analogue output: 4 - 20mA

Supply voltage: DC 15 ... 35V

Process connection: G1/4A, Optional connection

## ELECTRONIC TEMPERATURE SWITCH WITH DISPLAY

Electronic temperature  
switch with display

Model: TTR.02

Application: Machine tools, Hydraulic power packs, cooling and lubrication systems, machine building

Measuring ranges: -20 ... + 150°C

Display: 4 digit LED

Analogue output: 4 - 20mA

Supply voltage: DC 15 ... 35V

Material of wetted parts: Stainless steel

Electrical connection: Circular connector M12 \* 1

## LEVEL FLOAT SWITCH



Level float switch for  
industrial applications

Model: TLT.02

Application: Level measurement of liquids in machine building, Control and monitoring tasks for hydraulic power packs, compressors and cooling systems

Measuring principle: Potential-free switching reed contacts are triggered by a magnet in the float.

Accuracy: ±3 mm switch point

Guide tube length: 60 ... 1,500 mm

Material of wetted parts: Stainless steel



Level float switch with  
temperature output

Model: TLT.01

Application: Combined level and temperature measurement of liquids in machine building, Control and monitoring tasks for hydraulic power packs, compressors and cooling systems

Measuring principle: Potential-free switching reed contacts are triggered by a magnet in the float.

Temperature: Bimetal temperature switch

Accuracy: ±3 mm switch point

Bimetal switch: ±5 °C switch point

Guide tube length: 60 ... 1,500 mm

Material of wetted parts: Stainless steel

## BIMETAL THERMOMETER

### Industrial version Stainless steel case



Model:	TB01(Bottom connection)
	TB02(Back connection)
	TB03(Any angle connection)

Nominal size(mm): 63, 80, 100, 160

Permissible operating pressure at the stem(bar): 25

Material of wetted parts: Stainless steel



### Exhaust temperature gauge Aluminum case

Model: TA06.010

Model: TA06.030(Liquid filling)

Nominal size(mm): 100

Range: -60°C to 650°C

Material of wetted parts: Stainless steel

## DIGITAL THERMOMETER

### Solar digital thermometer Stainless steel case



Model:	DA7501
	(Any angle connection)

Nominal size(mm): 83

Permissible operating pressure at the stem(bar): 25

Material of wetted parts: Stainless steel

### Solar digital thermometer Stainless steel case

Model: DS1001(Back connection)

Nominal size(mm): 50 with flange

Length of capillary: 1m

### Pressure type thermometer Stainless steel case

Model: TA05.050

Model: TA05.070(Liquid filling)

Nominal size(mm): 100, 160

Range: -60°C to 650°C

Length of capillary: 0 ...20m

Material of wetted parts: Stainless steel

## FLOW METER



## Gas Turbine Flow Meter

Model: WG

Application: Precision measuring instruments which for gas.

Nominal Diameter (mm): DN25~DN400

Nominal Pressure: 0.5~4.0 Mpa

Accuracy class: 1.5

Shell Material: Aluminum alloy / Carbon Steel / Stainless Steel

Output: 4~20mA

## Vortex flow meter



Model: LD Electromagnetic Flowmeter

Application: Used in petrol, chemical industry, light industry and power heat supply.

Nominal Diameter (mm): DN15~DN300

Nominal Pressure: 1.6 MPa, 2.5 MPa, 4.0 MPa

Accuracy class: 1.0

Body Material: Stainless Steel

Output: 4~20mA

## SF6 GAS SOLUTIONS



## SF6 Gas density indicator

Model: SF100

Application: For SF6 gas density monitoring

Nominal size(mm): 63,100

Accuracy class: 1.0/2.5

Pressure ranges: 1.6 ... 25 bar



## SF6 Gas density monitor

Model: SFM10

Application: For SF6 gas density monitoring

Nominal size(mm): 100

Accuracy class: 1.0/2.5

Pressure ranges: 1.6 ... 25 bar

Material of wetted parts: Stainless steel

## CALIBRATION



## Precision digital pressure gauge for calibration

Model:	CS602
Application:	Intelligent Pressure Calibrator
Nominal size(mm):	95
Scale ranges:	-1-0 bar to 0-2500 bar
Accuracy class:	up to 0.025 %
Material of wetted parts:	Stainless steel



## Electric Calibrator

Model:	CS318L
Application:	For gas calibration
Nominal size(mm):	730Lx320Wx250H
Pressure ranges:	0~600 bar



## Data Logger

Model:	TPS.10A
Application:	For a wide range of pressure measurement and calibration applications.
Nominal size(mm):	100
Scale ranges:	-1 ... 0 bar to 0 ... 6000 bar
Accuracy class:	0.05%, 0.1%, 0.2%
Power supply:	Battery
Output:	RS485 OR RS232
Data logger:	1,000,000 data Blue communication Communication with CSHERUN's Link Mobile App
Material of connection:	Stainless steel

## Overpressure protector, adjustable

Model:	OH13
Application:	For aggressive media, also in aggressive environments, protection against overpressures up to 100MPa.
Material:	Stainless steel



## PRESSURE GAUGE COCK



## Stopcock for pressure measuring instruments

Model:	STC11
Nominal pressure :	≤ 25
Application:	for measurement of liquids, gases and vapours



## Block-and-bleed valve 2-valve manifold

Models:	NV20
Application:	For gaseous and liquid aggressive media that are not highly viscous or crystallising, also in aggressive environments
Material of wetted parts:	Stainless steel/Monel

## Cold drawn stainless steel tube

Model:	Seamless tube or welded tube
Out diameter:	2-61mm
Wall thickness:	0.3-10mm

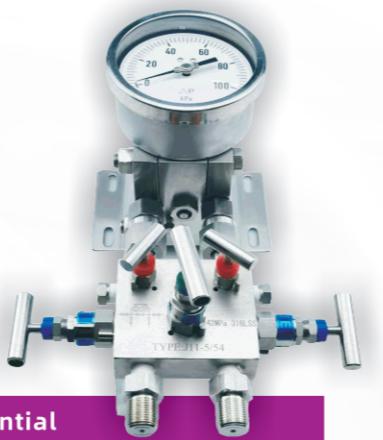
HIGH-PRESSURE ADAPTER



High-pressure  
connection adapters

Nominal pressure : 15,000 ... 60,000 psi

Model: Hp10



Valve manifold for differential  
pressure measuring instruments  
3 - , 5 - valve manifold

Model : NV3, NV5

Applications: Shut-off, pressure equalising  
and vent valves for differential  
pressure measuring instruments

Operation conditions: ≤ 690 bar

Material of wetted parts: Stainless steel

SYPHONS AND CONNETION PIPES



Siphons and connecting pipes  
For pressure measuring instruments

Model: STC15

Nominal pressure : 420bar

Application: Cooling element for protection  
from excessive heating of  
liquids, gases and vapours



Cooling element for pressure  
measuring instruments  
For threaded attachment

Model : DS510.32

Applications: For screwing onto pressure  
measuring instruments at  
increased medium temperatures

Temperature: For medium temperatures up  
to 200 °C

Pressures: up to 600 bar

Material: Stainless steel

PRESSURE GUAGE MOVEMENT

EN837-1

Fully automated assembly system manufacture

Used to DN20-300mm pressure gauge

Many different types of transmission ratio

625 different types movement can be choice

