

The selection is detailed on page 10



SP30-5

Differential Pressure Level Transmitter

Product application

Technological process
pharmacy
Food and beverage industry

functional performance

Stainless steel shell
safety integrity level
HART® interface
Explosion-proof Ex d (gas and dust) [see ATEX and EAC]
Linearity 0.07%
With rotating buttons, the operation is simple.
Setup program
LCD screen with bar graph
Display selection measurement unit
Display sensor temperature
Displays the maximum and minimum pressure.
Current generator function
Characteristic lines and displays can also be used to adjust the measured flow.
High measurement accuracy
The measuring range can be extended.
Suitable for all kinds of dangerous places
A variety of different housings are available.
It can be configured according to the concept of FDT (Field Device Tool) through DTM (Device Type Manager) (such as PACTware software).

Product description

SP30-5 differential pressure transmitter has two types: intrinsically safe type and flameproof type (conforming to ATEX standard), and supports 4...20 mA HART and PROFIBUS. PA or FOUNDATION Fieldbus™ output signals, which can meet the corresponding application requirements. All electronic components of these two transmitters (even flameproof) are intrinsically safe. Therefore, when the instrument is in working state, it can be adjusted in the EX area.

The shell is mainly made of plastic, aluminum and stainless steel to suit different operating environments. For food industry and pharmaceutical industry with high application requirements, we can also provide electro-polished stainless steel (316L) shell.

Easy to configure and operate

Users can configure and maintain the instrument through the display with operation module (optional). The operation menu is reasonable in structure, easy to understand and has a variety of optional languages. In addition, users can also use configuration software to set operating parameters. The instrument-specific DTM can easily integrate the instrument into the corresponding distributed control system.

Wide application

SP30-5 is suitable for many industrial measurement occasions. After installing diaphragm seal, SP30-5 is also suitable for harsh process conditions. The available measuring range of this instrument is from 0...1kPa to 0...4MPa, and the static pressure limit is 40MPa. Therefore, this instrument is suitable for almost all applications, which can ensure high accuracy and best long-term stability by combining digital signal processing with technically mature sensors.

SP30-5 differential pressure transmitter integrates the highest accuracy and simple operation, and is used to measure the pressure difference of gas, steam and liquid. Integrated LCD screen displays measured values and equipment data.

Explosion-proof "Ex ia" allows equipment to be installed in Zone 0.

The housing and sensor are made of high-grade stainless steel. Diaphragm seals can also be used for specific process technology applications. The equipment is programmable, so it is easy to adapt to various measurement tasks. An easy-to-use setup program as an attachment can start the operation through the interface. Rotating the key makes manual operation on site very convenient and fast.

According to DIN EN 61508/-1/-2, version 2.0, the safety function of pressure transmitter with 4 to 20 mA and HART® protocol was evaluated and certified by TÜV Nord. These measuring devices are suitable for monitoring process liquid level and pressure, up to SIL2.



Principle of operation

Differential pressure transmitter is usually used to measure the liquid level in a closed container, and the liquid level in the container is measured by the pressure difference generated by the gravity of the liquid itself.

The high-pressure side measuring tube is always filled with water due to steam condensation, and the pressure is kept constant, while the low-pressure side measuring tube and the container form a communication device, and its pressure changes linearly with the change of liquid level in the container.

Let ΔP be the differential pressure signal received by the transmitter, P_0 be the internal pressure of the container, P_+ be the positive pressure side of the transmitter, and P_- be the negative pressure side of the transmitter; ρ is the density of the liquid in the container; G is acceleration of gravity; H_1 is the height from the process zero point to the pressure inlet at the upper part of the container; H_2 is the process level of the container; H is the height from the transmitter to the zero point of process liquid level.

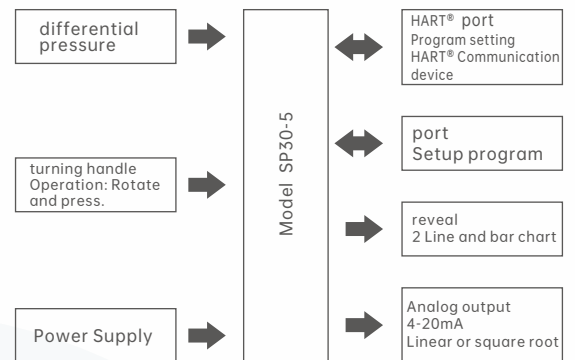
Then there is:

$$P_+ = P_0 + \rho g h_1 + \rho g h$$

$$P_- = P_0 + \rho g h_2 + \rho g h$$

$$\Delta P = P_+ - P_- = \rho g h_1 - \rho g h_2$$

When the liquid level changes from $h_2=0$ to $h_2=h_1$, the differential pressure measured by the differential pressure transmitter changes from the maximum value to $\delta P = 0$, and the output current changes from 4mA to 20mA by setting the



Technical parameter

Reference condition	DIN EN 60770 和 DIN EN 61298
Allowable temperature	-40 °C ~+85°C
Air pressure	1000 hPa (±25hPa)
Power source	DC 24 V
Impedance	50 Ω
Sensor system	Stainless steel separation membrane silicon sensor
Pressure transfer medium	
▪ Measuring system filling medium 1	No transmission medium
▪ Measuring system filling medium 2	Silicone oil, FDA compliant.
▪ Allowable load variation	> 10 million times
position	
▪ Installation position	arbitrarily
▪ Calibration position	The equipment is placed vertically, and the process connection is downward.
▪ Zero offset position	1mbar (zero offset can be made on site or by setting)
Reveal ^{a)}	LCD, double line with bar graph
Aligning	The display unit can rotate by 90 degrees; The shell can rotate by 160 degrees.
Size	Display 22 × 35 mm, font size 7 mm, 5 digits.
Colour	black
Modifiable measurement unit	
▪ Input pressure	Mh _{2o} , inh _{2o} , inhg, fth _{2o} , mmh _{2o} , mmhg, psi, bar, mbar, kg/cm ² , kpa to rr, MPa.
▪ Measured value	% or freely adjustable measuring unit
▪ Output current	Unit: mA
▪ Sensor temperature	Unit: °C, °F.
▪ Other display data	Minimum pressure, maximum pressure, error, over-travel, under-travel, working hours
Controls	
▪ Scene	With rotary button and LCD
▪ Setup program	Through the interface
Port	
▪ Standard	port ^{b)}
▪ Output 410 (4 to 20 mA tape HART®)	port ^{b)} 和 HART® port

a) Optional: SIL version with display

b) Interfaces cannot be used in potential explosion areas! In this case, you can turn the key or HART® port



Input

Reference condition					
Rated measuring range	-10 to +10 mbar DP	-1 to +1 bar DP	0 to 1 bar DP	-1 to +6 bar DP	-1 至 +100 bar DP
Rated pressure (bar)	PN2	PN25	PN25, selectable PN40		

Exportation

Analog output	
▪ Output 410	4 to 20 mA, two-wire with HART® version 7
▪ (4 to 20 mA with HART®) stage	(Optional with HART® version, with SIL version)
▪ Jump response T60	≤ 190 ms without attenuation
▪ attenuation	Adjustable from 0 to 100 s
impedance	
▪ Output 410	Impedance ≤ (U _b -12V) ÷ 0.022A; Other: Min. 250Ω, Max. 1100Ω
▪ (4 to 20 mA with HART®)	

Power source

Power source	DC 12 to 36V
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Mechanical property

Process connection	
Materials	
Membrane	
▪ Process Connection 20 (stainless steel)	Stainless steel 316 L
▪ Process Connection 82 (HASTELLOY®)	HASTELLOY® C276
▪ Process connection 80 (tantalum)	tantalum
▪ Francois	Stainless steel 316
▪ seal	PTFE
Shell	
▪ Housing material	Precision casting 1.4408
▪ Surface material	Precision cast 1.4408, sealed FPM
Control knob material	
▪ Operation 0 (without control knob)	
▪ Operation 1 (with control knob)	PA
Authentication	Ec-type inspection Certificate SEV 10 ATEX 127 X
	II 1/2G Ex d IIC T6 ... T4 Ga/Gb
	II 2D Ex tb IIIC T105 °C Db
weight (Increase rated pressure)	Approx. 4.0kg
	The weight of the equipment is increased by about 3.8kg.

Environmental impact

Allowable temperature					
▪ Controls	Edition	Temperature class	Maximum medium temperature	Allowable temperature ^a	Allowable temperature spread ^{b,c}
	II 1/2G Ex d	T6	70°C	-40 to +60°C	-50 to +60°C
		T5	85°C	-40 to +70°C	-50 to +70°C
		T4	115°C	-40 to +85°C	-50 to +85°C
II 2D Ex tb	T105 °C	100°C	-40 to +85°C	-50 to +85°C	
▪ Store	-40 to +85 °C				
Allowable humidity					
▪ Operate	100% rel. Humidity, including condensation on the equipment housing				
▪ Store	90% rel. Humidity does not include condensation				
Permissible humidity					
▪ earthquake resistance	2 g, 10 to 2000 Hz Refer to DIN EN 60770-3				
▪ shock resistance	15 g , 6 ms Refer to IEC 60068-2-27				
▪ Electromagnetic interference resistance	Refer to EN 61326				
▪ Jamming emission	grade B ^d				
▪ interference immunity	Industry				
▪ the protection grades	IP66 Refer to DIN EN 60529				

a Limit function below -20°C: fixed use increases the risk of cable breakage, and the display has no function; Equipment below -30°C cannot operate.

B In the range of -40 to -50°C, the equipment must run continuously. In addition, the equipment is provided with a cover for checking the glass to prevent mechanical impact and impact effect.

C without SIL

D this product is suitable for industries, houses and small businesses.

Precision

Including nonlinearity, lag, non-repeatability, zero and final value deviation (refer to IEC 61298-2 for corresponding measurement deviation). Calibration in vertical installation position, with process connection at the bottom.

differential pressure					
Rated measuring range	-10 to +10 mbar DP ^a	-1 to +1 bar DP	0 to 1 bar DP	-1 to +6 bar DP	-1 to +6 bar DP
Default measuring range	0 to 10 mbar	0 to 1 bar	-	0 to 6 bar	0 to 6 bar
Minimum MSP ^b	1 mbar ^c	5 mbar ^c	-	0.350 bar	0.350 bar
Transformer(r) ^d	r ≤ 20	r ≤ 400	r ≤ 200	r ≤ 20	r ≤ 20
Nonlinear, reference condition	0.1 %, r ≤ 2	0.07 %, r ≤ 10		0.07 %, r ≤ 5	
	r × 0.05 %, 2 ≤ r ≤ 20	r × 0.007 %, 10 ≤ r ≤ 400	r × 0.007 %, 10 ≤ r ≤ 200	r × 0.02 %, 5 ≤ r ≤ 20	r × 0.014 %, 5 ≤ r ≤ 40
Accuracy at 20°C to set Percentage representation of MSP	0.2 %, r ≤ 2	0.1 %, r ≤ 10		0.07 %, r ≤ 5	
	r × 0.1 %, 2 ≤ r ≤ 20	r × 0.01 %, 10 ≤ r ≤ 400	r × 0.01 %, 10 ≤ r ≤ 200	r × 0.02 %, 5 ≤ r ≤ 20	r × 0.02 %, 5 ≤ r ≤ 40
Accuracy of 20 to 85°C to set Percentage representation of MSP	0.5 %, r ≤ 2 (Only arrive 60 °C)	0.2 %, r ≤ 10		0.2 %, r ≤ 5	
	r × 0.25 %, 2 ≤ r ≤ 20 (Only arrive 60 °C)	r × 0.02 %, 10 ≤ r ≤ 400	r × 0.02 %, 10 ≤ r ≤ 200	r × 0.04 %, 5 ≤ r ≤ 20	r × 0.04 %, 5 ≤ r ≤ 40
Accuracy of -40 to +20°C to Set the percentage representation of MSP	1.0 %, r ≤ 2	0.6 %, r ≤ 10		0.6 %, r ≤ 5	
	r × 0.5 %, 2 ≤ r ≤ 20	r × 0.06 %, 10 ≤ r ≤ 400	r × 0.06 %, 10 ≤ r ≤ 200	r × 0.12 %, 5 ≤ r ≤ 20	r × 0.12 %, 5 ≤ r ≤ 40
Accuracy of 60 to 85°C to set Percentage representation of MSP	2.0 %, r ≤ 2	2.0 %, r ≤ 2		2.0 %, r ≤ 2	
	r × 1.0 %, 2 ≤ r ≤ 20				
Static pressure P(bar) for rated measurement Impact of scope (unit: percentage)	≤ 1 %	≤ P × 0.0005 %	≤ P × 0.0003 %	≤ P × 0.0025 %	≤ P × 0.001 %
Long-term stability of rated measuring range %	≤ 0.6 %/year	≤ 0.1 %/year		≤ 0.2 %/year	

A no SIL

B MSP = measuring amplitude

C for the calibration certificate of Rodwig, the minimum MSP is 10mbar. MSP less than 10mbar can be adjusted by users.

D r = span of rated measuring range ÷ adjusted measuring range



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Specifications

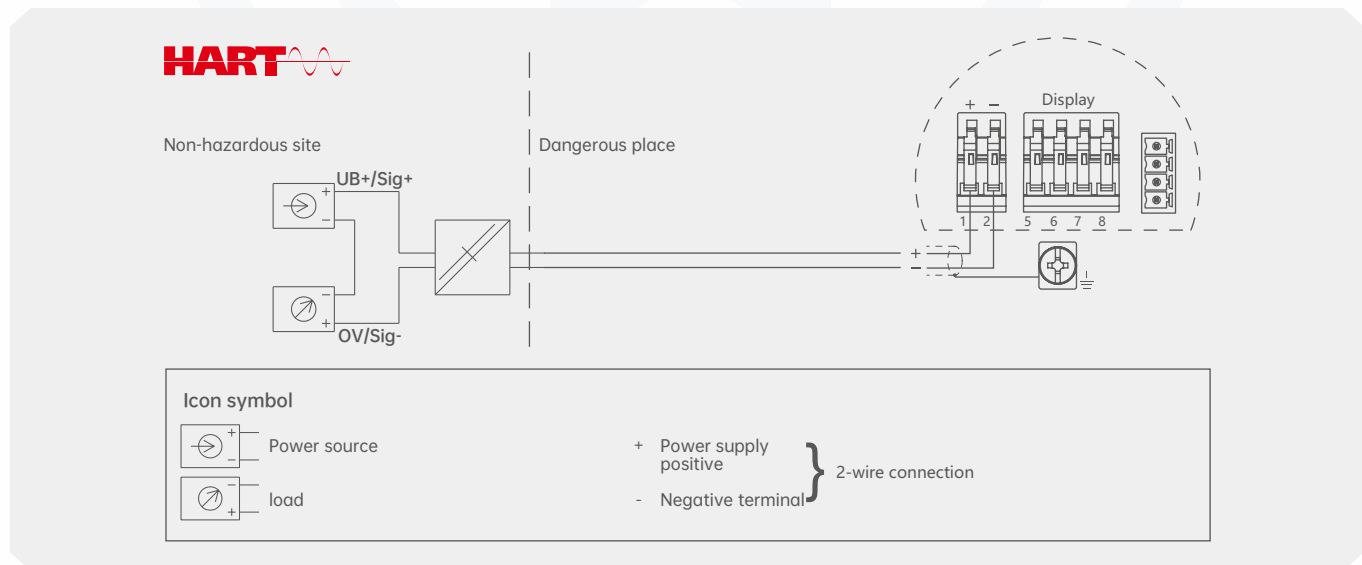
Specification parameter								
Measuring range ¹⁾	MPa	0.001	0.003	0.01	0.05	0.03	1.6	4 ²⁾
Maximum working static pressure	MPa	16	16	16	16 {42}	16 {42}	16 {42}	16 {42}
Minimum range	kPa	0.025	0.03	0.1	0.5	3	16	40
Minimum static pressure ³⁾	kPa Absolute pressure	0.01			-			
One side overload pressure	MPa	16			16 {42}			
Overload pressure on both sides	MPa	24			24 {63}			
Degree of accuracy								
Measuring range	MPa	< 0.05			≥0.05			
long term stability	% URL/years	±0.18			±0.05			
Reference accuracy ⁴⁾	Range%	Measuring range if 1.3kPa:			TD < 15:1 ±0.075%			
		TD 1:1 ±0.15%×TD			> 15:1 ±(0.0015×TD+0.053)%			
		Measuring range 10kPa:TD						
		< 4:1 ±0.075%						
		> 4:1 ±(0.012×TD+0.027)%						
Overall performance ⁵⁾⁶⁾	-	±0.15%			±0.15%			
Influence of system pressure ⁶⁾								
Zero hour	% URL	±0.35/7MPa			±0.075/7MPa			
		Measuring range 1kPa: 0.015/0.7MPa			-			
Measuring range	% URL	±0.14/7MPa			±0.14/7MPa			
		Measuring range 1kPa: 0.0035/0.7MPa			-			
Influence of medium and ambient temperature ⁶⁾								
-10 ... +60°C	-	1kPa和3kPa ±(0.31×TD+0.06)%			0.05MPa、0.3MPa、4MPa ±(0.08×TD+0.05)%			
		10kPa ±(0.18×TD+0.06)%			1.6MPa ±(0.1×TD+0.1)%			
					%			
-40 ... -10/+60 ... +85°C	-	1 kPa和3kPa ±(0.45×TD+0.1)%			0.05MPa、0.3MPa ±(0.12×TD+0.1)%			
		10kPa ±(0.3×TD+0.15)%			1.6MPa ±(0.15×TD+0.2)%			
					4MPa ±(0.37×TD+0.1)%			
Installation position influence	kPa	≤0.4			-			
Allowable temperature range								
Ambient temperature range ⁷⁾	°C	- Forty... +80 (no display) / -20... +70 (with monitor)						
Transport/storage temperature range	°C	- Forty... + 80						
Process limitations depend on the sealing material. ⁷⁾	°C	FKM/NBR: -20 ... + 85						
		PTFE, copper: -40... + 85						
		FKM, forbidden oil forbidden fat: -10... + 85						
For oxygen applications	-	Copper, PTFE: -20... +60 FKM: -10 ... + 60						
Temperature limitation	°C	Pressure difference pipeline length greater than 100mm: -40... +120 (-10...) +120, transverse flange C22.8)						
Materials								
Liquid connection unit	-	Process connection C22.8, {316L, C276}						
		Diaphragm: 316L, C276, {tantalum, C276 gold rhodium coating, Monel400®}						
		Seal: FKM/FPM, NBR, copper, {PTFE}						
Internal transmission fluid ⁸⁾	-	Silicone oil						
Shell	-	Plastic (PBT; Polyester), {Aluminum}, {Stainless steel 316L}						
Weight	kg	About 4.2... 4.5 (depending on process connection and case version)						
Electrical data								
Power supply UB	V DC	Non-dangerous: 14... 36 Ex ia: 14 ... 30 Ex d: 20 ... 36						
		{FOUNDATION fieldbus™ and PROFIBUS® PA Ex ia: 9... 24 Ex d: 12 ... 32}						

Specification

Electrical data		
Output signal	-	4... 20mA, 2-wire {4... 20mA 2-wire with overlapping communication HART®} {FOUNDATION Fieldbus™}, {PROFIBUS®}PA
Stagnant time	ms	100
Time constant (63%)	ms	180 (measuring range 1, 3kPa: 250)
damping	s	0... 999, adjustable
Maximum allowable load	RA,单位 Ω	RA = (UB-UBmin)/0.023A
Explosion protection		
Anti-explosion ⁹⁾	ATEX	Category: II 1G, II 1/2G, II 2G Ex ia IIC T6... T1 II 1/2G, II 2G Ex d ia IIC T6... T1
Environmental condition		
CE- marking	-	EMC 2004/108/EC for interference emission and interference resistance for industrial applications in accordance with EN 61 326-1 Interference emission Restriction Classes A and B, 94/9/EC EN 50 014 (Common) EN 50 020 (intrinsically safe), EN 50 284 (Zone 0) {EN 50 281-1 (Dust protection)}
Impact resistance	g	100, according to IEC 60 068-2-27 (Mechanical Shock)
Vibration resistance ¹⁰⁾	g	4 (5...) 100Hz) (vibration under resonance)
Electrical protection class	-	Class III overvoltage, Class II protection IP66/67 (standard case)

{ } Items in brackets are optional and price is extra.
 1) Other measuring ranges can be set by corresponding range ratio.
 2) Pressure range 4 MPa, "side load range up to 10 MPa.
 3) Valid under standard conditions according to IEC 60 770.
 4) Including non-linearity, return difference and non-repeatability after limit point setting, in accordance with IEC 60 770
 5) Include -10... Nonlinearity, return difference, non-repeatability, thermal variation, zero point and static pressure effects in the +60 °C temperature range (Pstat= 7 MPa)
 6) The value is not valid for tantalum diaphragm.
 7) Oxygen-20... Process temperature limit of +60 °C / Minimum temperature of PN 420: -10 ° C.
 8) The working pressure of halocarbon oil is higher than 0.1MPa absolute pressure.
 9) You must read the operating conditions and safety related data in the approval document.
 10) According to the instruction, GL characteristic line 2 is tested (not applicable to stainless steel double exterior shell).
 URL = Standard measurement range
 TD = range ratio

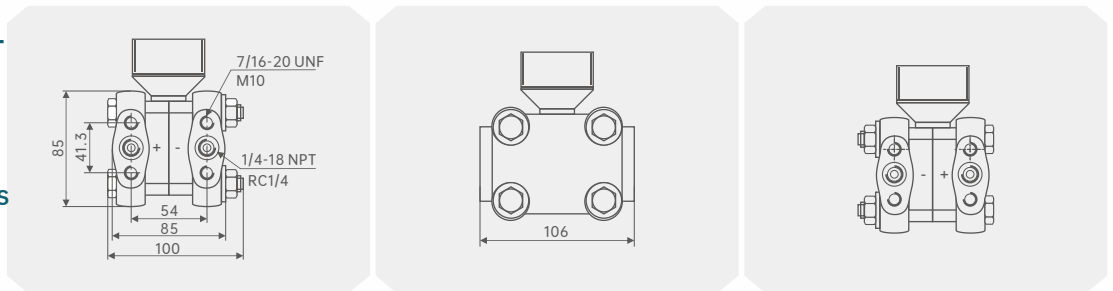
Electrical connection



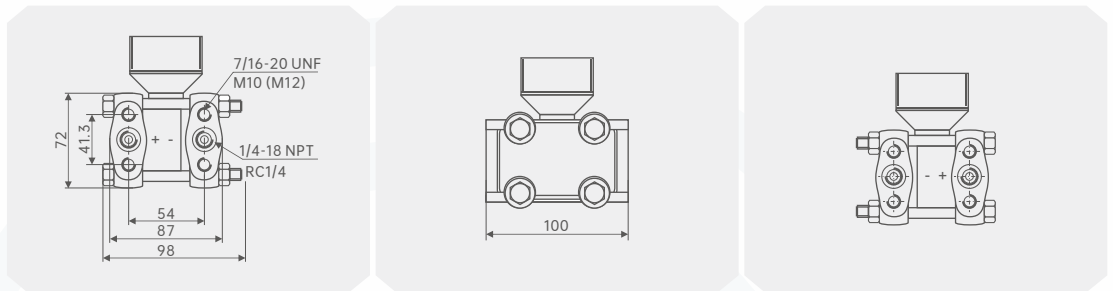
Process connection

**Oval flange,
Connect 1/4-18 NPT
Or RC 1/4,
The rear end has a
drain port**

**Measuring elements
1 and 3 kPa**



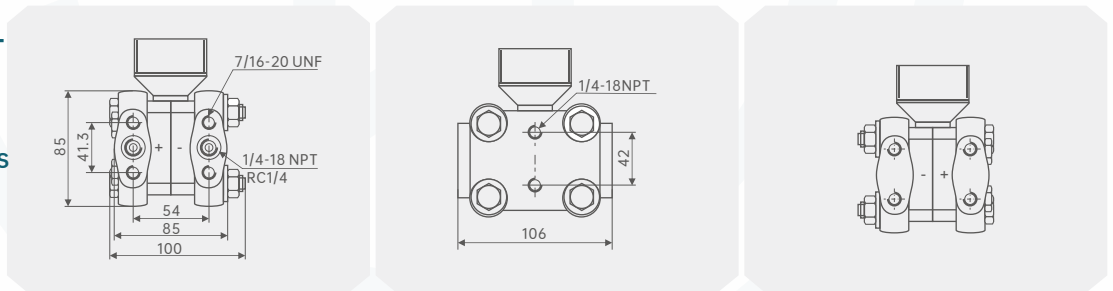
**Measuring
element ≥10 kPa**



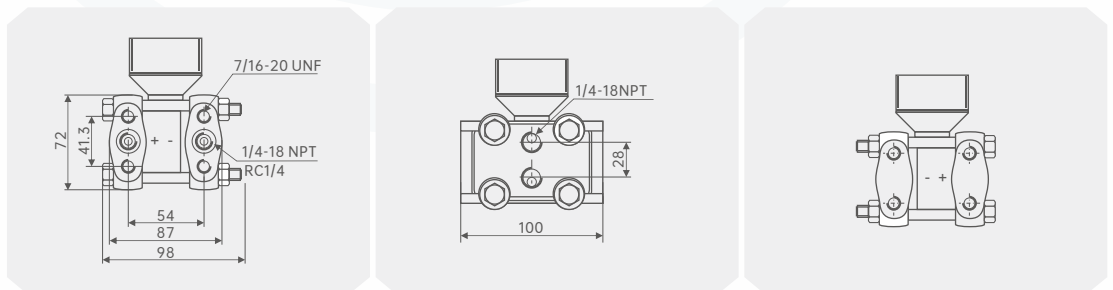
Join	Install	Materials	Equipment
1/4-18 NPT IEC 61518	7/16-20UNF	Stainless steel C22.8	2 exhaust valves ¹⁾
1/4-18 NPT IEC 61518	7/16-20 UNF	AISI 316L	2 exhaust valves ¹⁾
1/4-18 NPT IEC 61518	7/16-20 UNF	C276	No valve/plug
RC 1/4	7/16-20 UNF	AISI 316L	2 exhaust valves ¹⁾
1/4-18 NPT IEC 61518	PN 160: M10; PN 420: M12	Stainless steel C22.8	2 exhaust valves ¹⁾
1/4-18 NPT IEC 61518	PN 160: M10; PN 420: M12	AISI 316L	2 exhaust valves ¹⁾
1/4-18 NPT IEC 61518	PN 160: M10; PN 420: M12	C276	No valve/plug

**Oval flange,
Connect 1/4-18 NPT
Or RC 1/4,
Lateral drain port**

**Measuring elements
1 and 3 kPa**



**Measuring
element ≥10 kPa**

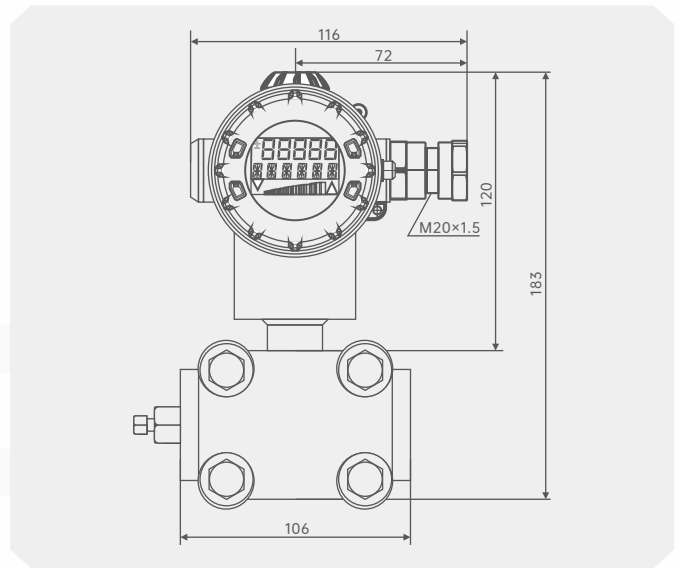
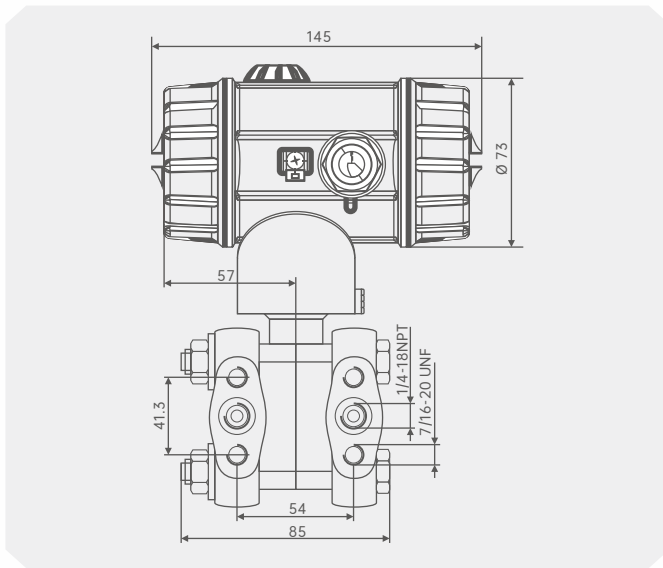


Join	Install	Materials	Equipment
1/4-18 NPT IEC 61518	7/16-20UNF	Stainless steel C22.8	2 exhaust valves, 4 plug screws ¹⁾
1/4-18 NPT IEC 61518	7/16-20 UNF	AISI 316L	2 exhaust valves, 4 plug screws ¹⁾
1/4-18 NPT IEC 61518	7/16-20 UNF	C276	No valve/plug
RC 1/4	7/16-20 UNF	AISI 316L	2 exhaust valves, 4 plug screws ¹⁾

1) Materials: AISI316L /1.4404


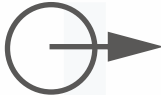

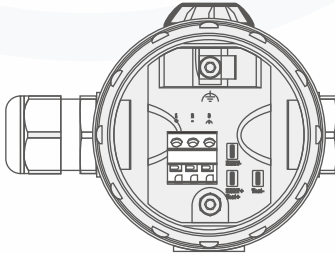


Size mm








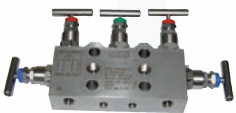




Connection diagram

This includes nonlinearity, hysteresis, non-repeatability, zero point and final value deviations (corresponding to measurement deviations, refer to IEC 61298-2). Calibration in vertical mounting position with process connection at bottom.

Join	Wiring
Power source DC 12 至 36 V 	1 L+ 2 L-
exportation 4 to 20 mA, two-wire Load independent current: 4 to 20 mA 	1 L+ 2 L-
Test the connection current output Inherent resistance of ammeter ≤ 10 Ω	TEST + TEST -
HART® Test connection There must be resistance!	HART + HART -
FE (Functional grounding) 	3
Grounding or potential equalization	Shell
Cable joint 	-

Specification

Model number	Functional characteristics
	Indicator module SP30-5, 5-digit display, 20-segment bar chart, no independent power supply, with additional HART® functions.
	Automatic adjustment of measuring range and range
	Local host function: HART® is available
	Standard quality sets the measuring range and unit of the connected transmitter.
	Choose explosion protection according to ATEX.
	HART® modem for USB interface, designed for modern laptops
	HART® modem with RS232 interface
	Bluetooth interface [EEx ia] HART® Modem for IIC
	HART® Protocol, Li-ion Battery, Power Supply 100... 240V
	Color display with backlight, Bluetooth and infrared interface, ATEX, FM, CSA and IECEx(i) (including FISCO if applicable).
	HART® Protocol, NIMH Battery, Power AC 90... 240V with simple upgrade function
	ATEX II 2G (1GD) EEx ia IIC T4
	HART® protocol, universal power supply, cable with 250Ω resistor,  explosion protection
	Includes PACTware, including DTM for field equipment
	Display and operation module, aluminum housing cover, with window
	Display and operation module, cast stainless steel housing cover with window
	Display and operation module, plastic housing cover, with window
	Display and operation module, stainless steel housing cover, electrolytically polished, with window
	Three-way valve
	Chrome-nickel steel, PN 420, shape A, Nace compliant
	Five-way valve
	Chrome-nickel steel, PN 420, shape A, Nace compliant
	Oval flange 1/4 NPT chrome-nickel steel
	Chrome-nickel steel, PN 420, shape A, Nace compliant
	Oval flange 1/2 NPT chrome-nickel steel
	Chrome-nickel steel, PN 420, shape A, Nace compliant
	Wall or pipe mounting bracket, stainless steel

SP30-5-Selection composition

Selection example **SP30-5** **F** **D** **E** **G** **P** **V** **Y** **A** **E** **L** **N** **U** **O**

1 2 3 4 5 6 7 8 9 10 11 12 15

1.Pressure type	G	Manometer pressure
	A	Absolute pressure
	N	Negative pressure
	D	Differential pressure
2.Measuring range	A	0 ~ 0.01... 100MPa (G-gauge pressure)
	B	0~60MPa (A- absolute pressure)
	C	-100~0kPa (n-negative pressure)
	D	-20~10MPa (D-differential pressure)
3.Display type	E	Live LED digital display
	F	On-site LCD digital display
4.Measurement accuracy	G	0.1%
	H	0.075%
	T ()	Other accuracy
5.Output signal	N	0~5V DC (three-wire)
	O	1~10C DC (three-wire)
	P	4~20mA
	Q	4~20mA, HART agreement
	R	0-5V DC, HART agreement
	S	FF bus
	T	Profibus
6.Electrical interface	U	1/2NPT
	V	M20*1.5
	W	G1/2
7.Process connection	X	1/2NPT
	Y	M20*1.5
	Z	G1/2
	T ()	Other thread specifications
8.Filling fluid	A	Silicone oil
	B	Fluorinert®FC-43
	T ()	Other filling fluids
9.Shell material	D	Aluminum, polyurethane coating
	E	Stainless steel
	T ()	Other materials
10.Body material	S	304
	L	316L
	T ()	Other materials
11.Liquid material	N	316L
	O	Hastelloy C
	P	titanium
	Q	tantalum
	T ()	Other materials
12.Remote transmission	U	No far transmission
	V	Remote transmission of pressure tube (Note length of pressure tube)
	T ()	Other remote transmission methods



SP30-5-Selection composition

Selection example **SP30-5** **F** **D** **E** **G** **P** **V** **Y** **A** **E** **L** **N** **U** **O**

1 2 3 4 5 6 7 8 9 10 11 12 15

13.Mounting bracket (optional)	A	2-inch pipe mounting (stainless steel)
	B	Panel mounting bracket (stainless steel)
	C	Other bracket types
14.Instrument valve group accessories	D	316L three-valve group
	E	316L five-valve group
	T ()	Other valve group types
15.authentication	G	flameproof
	H	Intrinsic safety
	I	SIL
	N	CE
	O	Non-explosion proof
	T ()	other

Instructions:

SP30-5 differential pressure transmitter, the pressure type is differential pressure, the measuring range is 0~10MPa, with LED digital display, the accuracy is 0.1%, the output signal is 4-20mA, the electrical interface is M20*1.5, the process connection is M20*1.5 external thread, the filling liquid is silicone oil, the shell material is stainless steel, the body material is 316L stainless steel, and the filling liquid is M20*1.5. The liquid material is 316L stainless steel without remote transmission and explosion-proof. Items 13/14 in the above table are not required.

Product Certification

Compliance and approval; Rodewieg pressure gauges meet key standards and certifications for process measurement technology; Thus guaranteeing the highest reliability in such Settings;

