ATOM METRIC
FINEST MEASUREMENTS, HIGHEST PRECISION

SENSORS

- PRESSURE SWITCH
- PRESSURE TRANSMITTER
- TEMPERATURE TRANSMITTER
- LEVEL SWITCH
- LEVEL SENSOR

ATOM METRIC
FINEST MEASUREMENTS, HIGHEST PRECISION

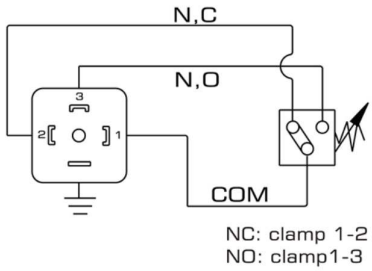
CONTENT

ATOM METRIC
FINEST MEASUREMENTS, HIGHEST PRECISION

Pressure Switch
Type RS01 10

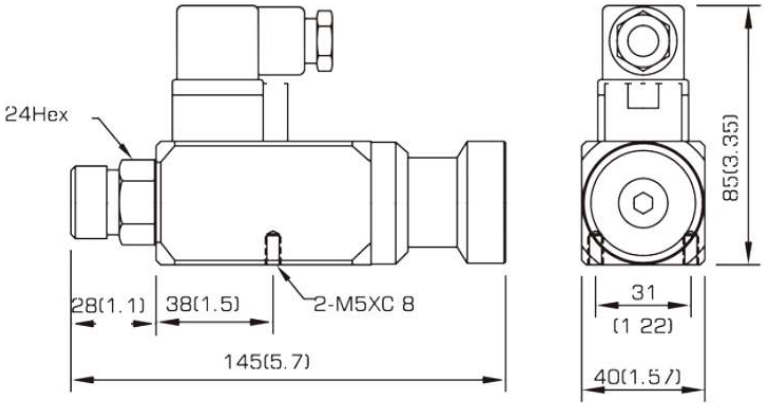
Suitable for industrial working conditions

This compact pressure switch adopts a micro switch design, with a service life of up to 1 million times, sensitive response, and can be manually adjusted to achieve normally open and normally closed functions, with a repeatability accuracy of 1%. This pressure relay can cover the range of conventional pressure applications and is suitable for economical hydraulic systems.

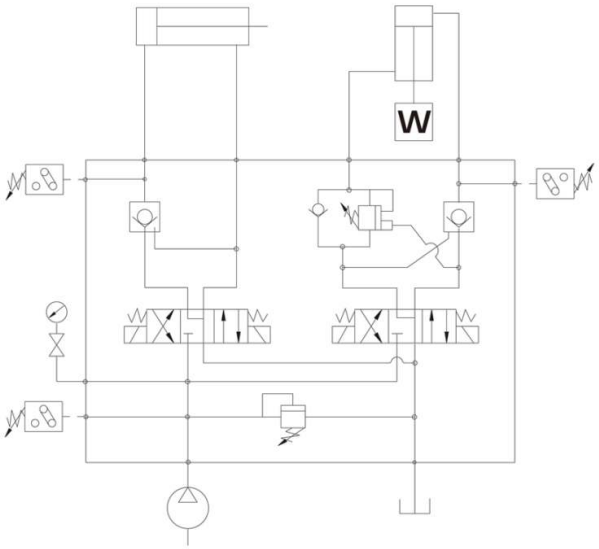


Features

- Working temperature -20 °C~80 °C
- Maximum pressure resistance of 600bar
- Repetitive accuracy of 1%
- Viscosity range of 10-800cst
- Electric shock load 250VAC 3A/30VDC 4A
- Lifespan of 1 million cycles



PRESSURE SWITCH APPLICATION CIRCUIT
(For reference only)



Pressure Switch, type RS01 10

Ordering standard

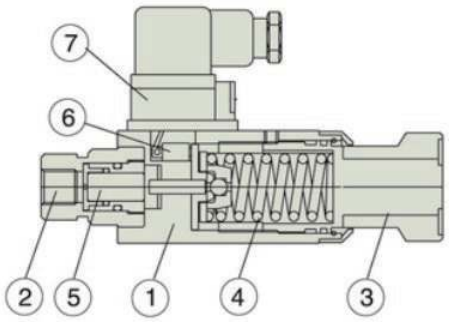
RS01	1		1	10

Internal Thread = 1

4-30bar	= 1
8-40bar	= 2
10-70bar	= 3
15-100bar	= 4
20-150bar	= 5
40-250bar	= 6
50-360bar	= 7

G1/4 = 1

Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction.For more information or to request other versions, please contact us



1	Housing (Casting-Iron)	5	Piston
2	Connection Port (1/4PT /NPT/PF)	6	Microswitch
3	Pressure Adj. knob	7	Electrical connection
4	Spring		

ATOM METRIC
FINEST MEASUREMENTS, HIGHEST PRECISION

Pressure Switch
Type RS01 20

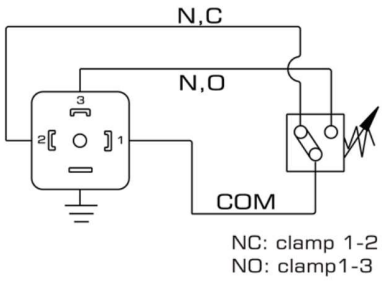
Suitable for industrial working conditions

This compact pressure switch adopts a micro switch design, with a service life of up to 1 million times, sensitive response, and can be manually adjusted to achieve normally open and normally closed functions, with a repeatability accuracy of 1%.

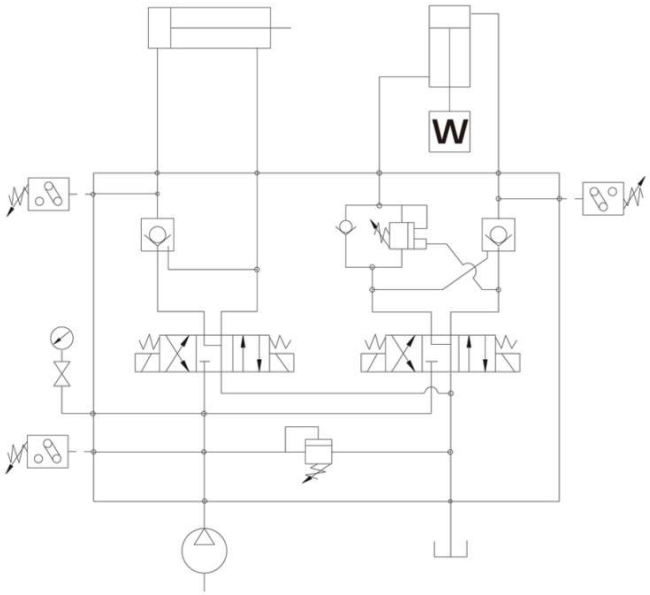
This pressure relay can cover the range of conventional pressure applications and is suitable for economical hydraulic systems.

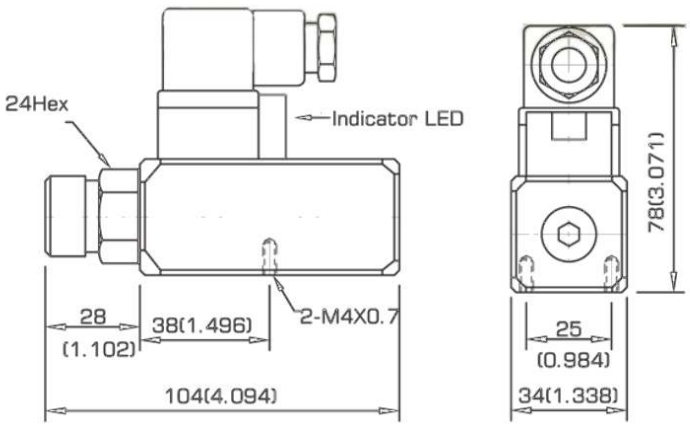
Features

- Working temperature -20 °C~80 °C
- Maximum pressure resistance of 600bar
- Repetitive accuracy of 1%
- Viscosity range of 10-800cst
- Electric shock load 250VAC 3A/30VDC 4A
- Lifespan of 1 million cycles



PRESSURE SWITCH APPLICATION CIRCUIT
(For reference only)





Pressure Switch, type RS01 20

Ordering standard

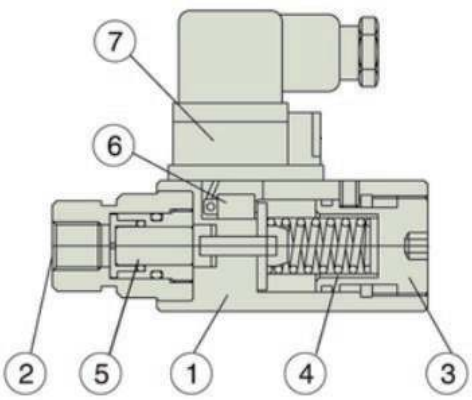
RS01	1		1	20

Internal Thread = 1

5-40bar	= 1
6-70bar	= 2
30-150bar	= 3
40-250bar	= 4

G1/4 = 1

Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction. For more information or to request other versions, please contact us



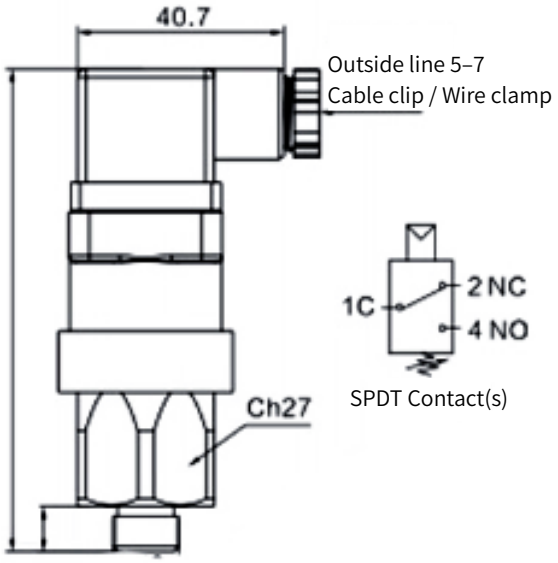
1	Housing (Casting-Iron)	5	Piston
2	(1/4PT/NPT/PF) Connection Port (1/4PT /NPT/PF)	6	Microswitch
3	Pressure Adj. knob	7	Electrical connection
4	Spring		

ATOM METRIC
FINEST MEASUREMENTS, HIGHEST PRECISION

Pressure Switch Type RS01 30

Suitable for industrial working conditions

This compact pressure switch adopts a jog switch design, with a service life of up to 1 million times, sensitive response, and can be manually adjusted to achieve normally open and normally closed functions, with a repeatability accuracy of 1%. This pressure relay has a smaller volume and can cover the range of traditional pressure applications, making it suitable for economical hydraulic systems.



Features

- Working temperature -20 °C~80 °C
- Maximum pressure resistance of 600bar
- Repetitive accuracy of 1%
- Viscosity range of 10-800cst
- Electric shock load 250VAC 3A/30VDC 4A
- Lifespan of 1 million cycles

Technical Parameters

Maximum Voltage	42V
Maximum current	4A
Error	3% set value
Ambient temperature	-25~85°C
Hysteresis	10-20% set value
Working Voltage	AC230V±15%; DC24V±20%
Mechanical life	1.1 million times

Pressure Switch, type RS01 30

Ordering standard

RS01	1		1	30

G1/4	= 1
G1/8	= 2

0.5-1.5bar	= 1
1-10bar	= 2
5-100bar	= 3
100-400bar	= 4

Customized "L" length	= 1

Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction. For more information or to request other versions, please contact us

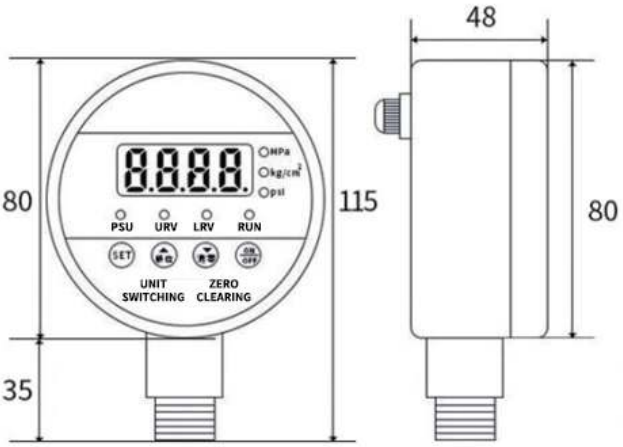
Control Range	-0.1...0~0.01...100MPa	Accuracy	≤±0.5%FS
Stability	≤±0.5% / year	Display Accuracy	±0.1%FS
Display Type	OLED screen	Display Range	-9999~99999
Power Supply	13-30VDC	Static Power Consumption	< 12mA
Response Time	< 5mS	Wiring	M12 Industrial Connector
Output Mode	2 Switch Outputs + 1 Analog Output	Load Capacity	<2A
Protection Level	IP65	Switch Life	>1000000 cycles
Ambient temperature	-30℃~70℃	Medium Temperature	-40℃～85℃

ATOM METRIC
FINEST MEASUREMENTS, HIGHEST PRECISION

Pressure Switch
Type RS01 40 (AB)

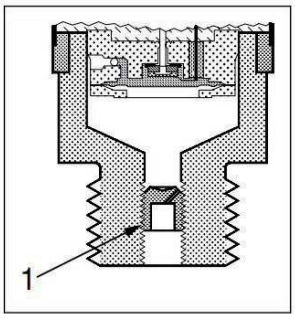
Suitable for industrial working conditions

This pressure switch controller is a high-precision intelligent pressure instrument that integrates pressure measurement and control. It has the characteristics of simple operation, good seismic performance, high control accuracy, and long service life. The pressure controller can achieve low-pressure start and high-pressure stop, as well as high-pressure start and low-pressure stop. Pressure control can be set across the entire range. High temperature and high-pressure models are available for selection. The switch output has functions such as delayed action, zeroing, unit switching, leakage protection, password protection, and automatic pressure detection. It can be widely used in intelligent water supply, reservoir and lake water level monitoring, as well as industrial automation pressure measurement and control systems.



Features

Output mode: switch signal
Sampling rate: 5 times/second
Pressure modes: gauge pressure, absolute pressure, differential pressure
Alarm setting: freely set within the range
Pressure range: -0.1~0~60MPa
Measurement medium: liquid or gas (must be non corrosive to the contact material)
Rated voltage: 24VDC, 220VAC optional
Overload capacity: 1.5 times
Accuracy level: ± 0.5%
Measurement temperature: -20~80 °C
Process connection: 304 stainless steel M14 * 1.5, M20 *1.5, G1/4, G1/2



1	Pulse-snubber

Product Installation		Please use a wrench to tighten the hex nut during installation (it is strictly prohibited to tighten it by tightening the housing).
connect the circuit		Please follow the above wiring method to connect the wires correctly. After wiring, please carefully check if the wiring is correct before powering on. (Incorrect wiring and power on may cause the product to burn out)
Product Settings	zero clearing	After power on, if there is no pressure in the pipeline, turn off the on/off key, long press the reset button ▼ 3 seconds, and four "----" will be displayed indicating that the reset is complete
	Switch unit	Turn off the on/off key, short press the unit ▲ key to cycle between MPa (kPa), kg/cm ^{2} , and psi pressure units.
	Set upper and lower limits	Turn off the on/off key. Short press the settings button to set the upper limit value when the upper limit light is on. Press the ▲ button to increase the setting value, and press the ▼ button to decrease the setting value. Short press the settings button again to set the lower limit value when the lower limit light is on. Press the ▲ button to increase the setting value, and press the ▼ button to decrease the setting value. When the lower limit light is off and 0 appears, press the on/off key to save and start running.

Pressure Switch, type RS01 40

Ordering standard

RS01				40

M20*1.5	= 1
G1/4	= 2
M14*1.5	= 3
G1/2	= 4

0~1 MPa	= 1
0~2.5 MPa	= 2
0~4 MPa	= 3
0~6 MPa	= 4
0~10 MPa	= 5
0~16 MPa	= 6
0~25 MPa	= 7
0~60 MPa	= 8
-0.1~0 MPa	= 9

AC220V	= 1
DC24V	= 2

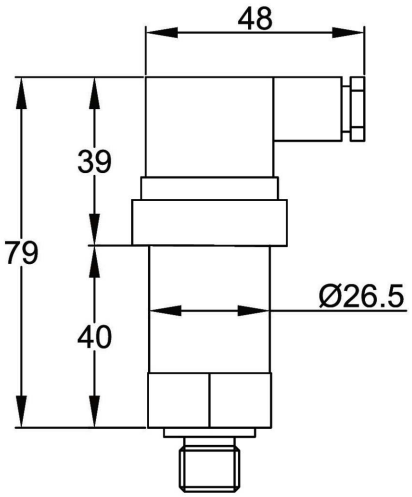
Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction. For more information or to request other versions, please contact us

serial number	phenomenon	reason	solution
1	The motor does not operate after reaching the set pressure	Controller wiring error or damaged contactor	1. Check if the controller wiring is correct 2. Check if the AC contactor is damaged
2	Frequent motor start-up	The range of upper and lower limit settings is too small	1. Change the upper and lower limit settings; 2. Enable the delayed action function; 3. Increase the pressure setting value
3	The screen displays "E-F"	Water shortage protection has been activated	Press on/key to repair, or set to change the appropriate water shortage value
4	The screen displays "E-E"	Sensor or controller circuit damage	Scrap the product or send it back to the company for repair.
5	The screen displays "E-I"	Automatic pressure detection has been enabled, but this function can be disabled	Press any key to return to the running state.
6	The screen displays "E-H"	Pressure exceeds the maximum range or sensor is damaged	Reduce voltage or choose a controller with a larger range.

Pressure transmitter Type RS03 40

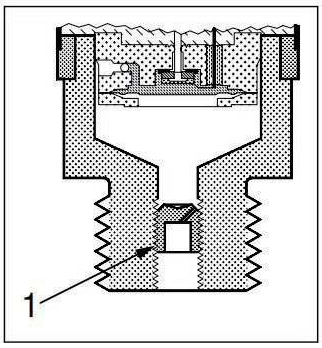
Suitable for industrial working conditions

This compact pressure transmitter is designed specifically for almost all industrial applications, providing reliable pressure measurements even under harsh environmental conditions.
The flexible pressure transmitter solution covers different output signals, absolute or gauge (relative) versions, measurement ranges from -0.1 to 0 to 0 to 1000 bar, and various pressure and electrical connections.
With its robust design, excellent vibration stability, and high electromagnetic compatibility (EMC)/ electromagnetic interference (EMI) protection capability, this pressure transmitter can meet the most demanding industrial operating conditions.



Features

- Suitable for almost all industrial operating environments
- Compatible with different media (air pressure, water pressure, hydraulic pressure, etc.), except for acidic types
- All standard output signals:4 – 20 mA, 0 – 10 V ,
- Housing and liquid-contacting parts are made of 304 material
- Multiple pressure and electrical connection methods
- Fully digital compensation
- CE certified



1	Pulse-snubber

Accuracy (incl. non-linearity, hysteresis and repeatability)		≤ ± 0.5% FS (typ.) ≤ ± 1.0% FS (max.)
Non-linearity BFSL (conformity)		≤ ± 0.2% FS
Hysteresis and repeatability		≤ ± 0.1% FS
Thermal error band (compensated temperature range)		≤ ± 1.0% FS
Response time	Liquids with viscosity < 100 cSt	< 4 ms
	Air and gases (RS03 40)	< 35 ms
Overload pressure (static)		1.5 × FS (max. 1500 bar)
Burst pressure		1.5 × FS (max. 2000 bar)
Power-up time		< 50 ms

Pressure transmitter, type RS03 40

Ordering standard

RS03				40

M20*1.5	= 1
G1/4	= 2
M14*1.5	= 3
G1/2	= 4

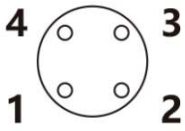
0~1 MPa	= 1
0~2 MPa	= 2
0~5 MPa	= 3
0~7 MPa	= 4
0~10 MPa	= 5
0~16 MPa	= 6
0~20 Mpa	= 7
0~25 Mpa	= 8
0~35 Mpa	= 9
0~40 Mpa	= 10
0~50 Mpa	= 11
0~100 Mpa	= 12
-0.1~0MPa	= 13
-0.1~1MPa	= 14
customize	= 15

4-20mA (24V power supply)	= 1
0-10V (24V power supply)	= 2
0-5V (24V power supply)	= 3
1-5V (24V power supply)	= 4
1-6V (24V power supply)	= 5
0.1-10V (24V power supply)	= 6
0-5V (5V power supply)	= 7
1-5V (5V power supply)	= 8
0.5-4.5V (5V power supply)	= 9
RS485	= 10

Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction. For more information or to request other versions, please contact us

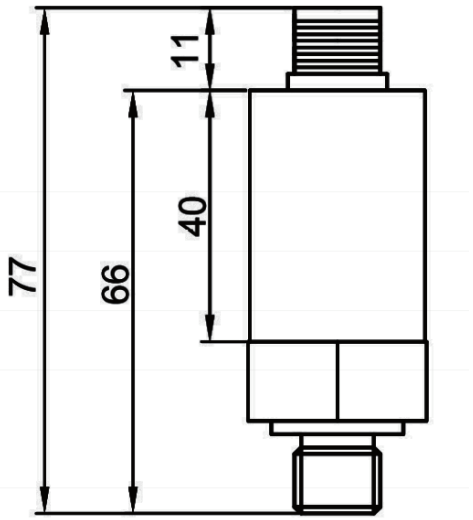
Sensor operating temperature (depending on gasket material)	4 – 20 mA	-40 – 100 °C
	0-10V, 0-5V, 1-5V, 1-6V, 0.5-4.5V	-40 – 125 °C
Media temperature range		-40 – 125 °C
Compensated temperature range		0 – 100 °C

Pressure transmitter Type RS03-50



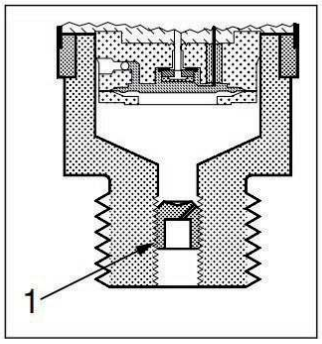
Suitable for industrial working conditions

This compact pressure transmitter is designed specifically for almost all industrial applications, providing reliable pressure measurements even under harsh environmental conditions.
The flexible pressure transmitter solution covers different output signals, absolute or gauge (relative) versions, measurement ranges from -0.1 to 0 to 0 to 1000 bar, and various pressure and electrical connections.
With its robust design, excellent vibration stability, and high electromagnetic compatibility (EMC)/ electromagnetic interference (EMI) protection capability, this pressure transmitter can meet the most demanding industrial operating conditions.



Features

- Suitable for almost all industrial operating environments
- Compatible with different media (air pressure, water pressure, hydraulic pressure, etc.), except for acidic types
- All standard output signals: 4 – 20 mA, 0 – 10 V
- Housing and liquid-contacting parts are made of 304 material
- Multiple pressure and electrical connection methods
- Fully digital compensation
- CE certified



1	Pulse-snubber

Accuracy (incl. non-linearity, hysteresis and repeatability)		≤ ± 0.5% FS (typ.) ≤ ± 1.0% FS (max.)
Non-linearity BFSL (conformity)		≤ ± 0.2% FS
Hysteresis and repeatability		≤ ± 0.1% FS
Thermal error band (compensated temperature range)		≤ ± 1.0% FS
Response time	Liquids with viscosity < 100 cSt	< 4 ms
	Air and gases (RS03 50)	< 35 ms
Overload pressure (static)		1.5 × FS (max. 1500 bar)
Burst pressure		1.5 × FS (max. 2000 bar)
Power-up time		< 50 ms

Pressure transmitter, type RS03 50

Ordering standard

RS03					50

M20*1.5	= 1
G1/4	= 2
M14*1.5	= 3
G1/2	= 4

0~1 MPa	= 1
0~2 MPa	= 2
0~5 MPa	= 3
0~7 MPa	= 4
0~10 MPa	= 5
0~16 MPa	= 6
0~20 Mpa	= 7
0~25 Mpa	= 8
0~35 Mpa	= 9
0~40 Mpa	= 10
0~50 Mpa	= 11
0~100 Mpa	= 12
-0.1~0MPa	= 13
-0.1~1MPa	= 14
customize	= 15

Aviation straight line defaults to 1 meter	= A
Avation straight plug	= B
Avation bend plug	= C

4-20mA (24V power supply)	= 1
0-10V (24V power supply)	= 2
0-5V (24V power supply)	= 3
1-5V (24V power supply)	= 4
1-6V (24V power supply)	= 5
0.1-10V (24V power supply)	= 6
0-5V (5V power supply)	= 7
1-5V (5V power supply)	= 8
0.5-4.5V (5V power supply)	= 9
RS485	= 10

Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction. For more information or to request other versions, please contact us


line defaults to 1 meter


B: avation straight plug

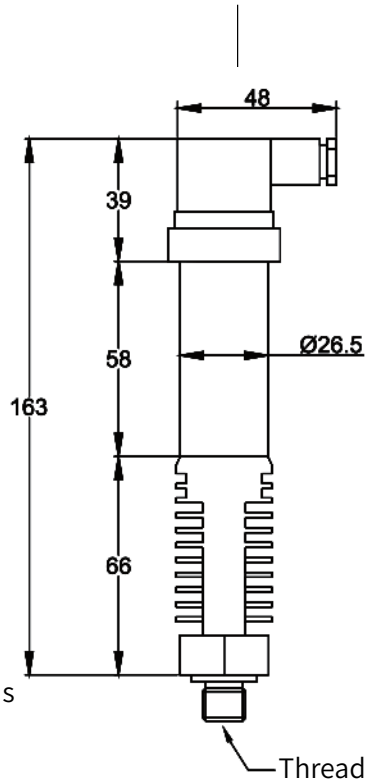

C: avation bend plug

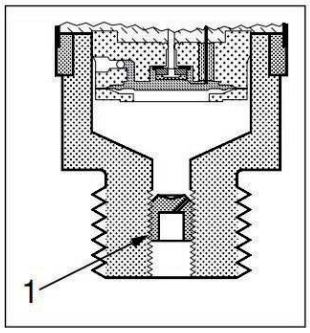
Sensor operating temperature (depending on gasket material)	4 – 20 mA	-40 – 100 °C
	0-10V, 0-5V, 1-5V, 1-6V, 0.5-4.5V	-40 – 125 °C
Media temperature range		-40 – 125 °C
Compensated temperature range		0 – 100 °C

Pressure transmitter Type RS03 60

Suitable for industrial working conditions

This compact pressure transmitter is specifically designed for industrial applications in high-temperature environments. It utilizes 10 cooling fins for heat dissipation, ensuring reliable pressure measurement even under such conditions.
This flexible pressure transmitter solution covers different output signals, absolute or gauge (relative) versions, measurement ranges from -0.1 to 0 to 0 to 1000 bar, as well as various pressure and electrical connections.
With its robust design, excellent vibration stability, and high electromagnetic compatibility (EMC)/ electromagnetic interference (EMI) protection capabilities, this pressure transmitter can meet the most demanding industrial operating conditions.





1	Pulse-snubber

Features

- Suitable for industrial operating environments with high external temperatures
- Compatible with different media (air pressure, water pressure, hydraulic pressure, etc.), except for acidic media
- All standard output signals: 4 – 20 mA, 0 – 10 V
- Both the housing and liquid-contacting parts are made of 304 material
- Multiple pressure and electrical connection methods
- Full digital compensation
- Passed CE certification

Accuracy (incl. non-linearity, hysteresis and repeatability)		⩽ ± 0.5% FS (typ.)
		⩽ ± 1.0% FS (max.)
Non-linearity BFSL (conformity)		⩽ ± 0.2% FS
Hysteresis and repeatability		⩽ ± 0.1% FS
Thermal error band (compensated temperature range)		⩽ ± 1.0% FS
Response time	Liquids with viscosity < 100 cSt	< 4 ms
	Air and gases（RS03 60）	< 35 ms
Overload pressure (static)		1.5 × FS (max. 1500 bar)
Burst pressure		1.5 × FS (max. 2000 bar)
Power-up time		< 50 ms

Pressure transmitter, type RS03 60

Ordering standard

RS03				60

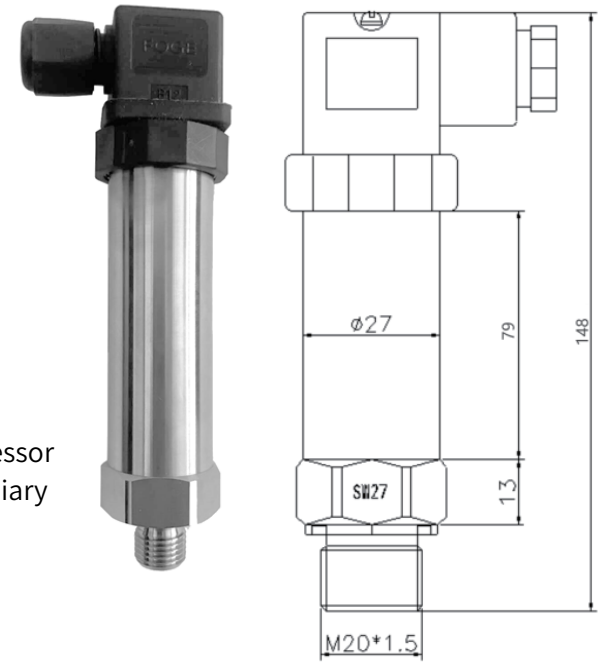
M20*1.5	= 1
G1/4	= 2
M14*1.5	= 3
G1/2	= 4

0~1 MPa	= 1
0~2 MPa	= 2
0~5 MPa	= 3
0~7 MPa	= 4
0~10 MPa	= 5
0~16 MPa	= 6
0~20 Mpa	= 7
0~25 Mpa	= 8
0~35 Mpa	= 9
0~40 Mpa	= 10
0~50 Mpa	= 11
0~100 Mpa	= 12
-0.1~0MPa	= 13
-0.1~1MPa	= 14
customize	= 15

4-20mA (24V power supply)	= 1
0-10V (24V power supply)	= 2
0-5V (24V power supply)	= 3
1-5V (24V power supply)	= 4
1-6V (24V power supply)	= 5
0.1-10V (24V power supply)	= 6
0-5V (5V power supply)	= 7
1-5V (5V power supply)	= 8
0.5-4.5V (5V power supply)	= 9
RS485	= 10

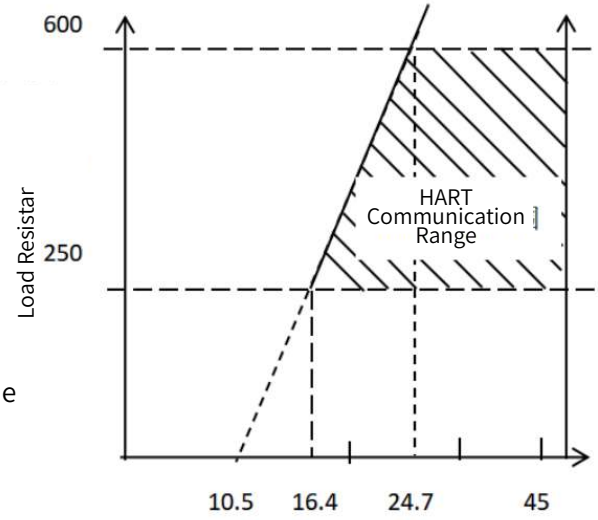
Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction. For more information or to request other versions, please contact us

Pressure transmitter Type RS03 70 (High precision 0.1%)



Suitable for industrial working conditions

The intelligent monocrystalline silicon pressure/differential pressure transmitter adopts a modular design with a microprocessor as the core and advanced digital isolation technology as an auxiliary in the circuit design, which makes the instrument highly anti-interference and stable. At the same time, the transmitter is compensated by a built-in temperature sensor, which improves measurement accuracy, reduces temperature drift, and has the characteristics of good long-term stability, high reliability, and strong self diagnostic ability. Structurally, users can easily calibrate, set up, and configure the transmitter through a HART communicationcontroller.
Widely used in industrial fields such as petroleum, chemical, power, metallurgy, water, brewing, etc.
For a long time, we have won unanimous praise from users for our excellent product quality and high-quality after-sales service.



Features

・High precision grade, German high-precision monocrystalline silicon sensor chip with an accuracy of ⩽± 0.05%.
・Strong load resistance, dual overload protection diaphragm design for differential pressure sensor,
single overvoltage can reach 25MPa.
・Excellent environmental adaptability, intelligent static pressure compensation and temperature compensation, eliminate the influence of temperature, static pressure and overload on the transmitter, and minimize the comprehensive measurement error on site.
・Excellent long-term stability, with stability maintainedat 0.1FS%/10 years.
・Flexible remote assistance debugging function, achieving remote and local parameter setting function configuration through Hart or Rs485 communication and panel buttons.

Pressure transmitter, type RS03 70

Accuracy (incl. non-linearity, hysteresis and repeatability)		⩽ ± 0.5% FS (typ.)
		⩽ ± 1.0% FS (max.)
Non-linearity BFSL (conformity)		⩽ ± 0.2% FS
Hysteresis and repeatability		⩽ ± 0.1% FS
Thermal error band (compensated temperature range)		⩽ ± 1.0% FS
Response time	Liquids with viscosity < 100 cSt	< 4 ms
	Air and gases（RS03 60）	< 35 ms
Overload pressure (static)		1.5 × FS (max. 1500 bar)
Burst pressure		1.5 × FS (max. 2000 bar)
Power-up time		< 50 ms

Ordering standard

RS03					70

M20*1.5 = 1
G1/4 = 2
M14*1.5 = 3
G1/2 = 4

0~1 MPa = 1
0~2 MPa = 2
0~5 MPa = 3
0~7 MPa = 4
0~10 MPa = 5
0~16 MPa = 6
0~20 Mpa = 7
0~25 Mpa = 8
0~35 Mpa = 9
0~40 Mpa = 10
0~50 Mpa = 11
0~100 Mpa = 12
-0.1~0MPa = 13
-0.1~1MPa = 14
customize = 15

Hussmann = 1
Directly wired = 2
M12*1 four-core = 3

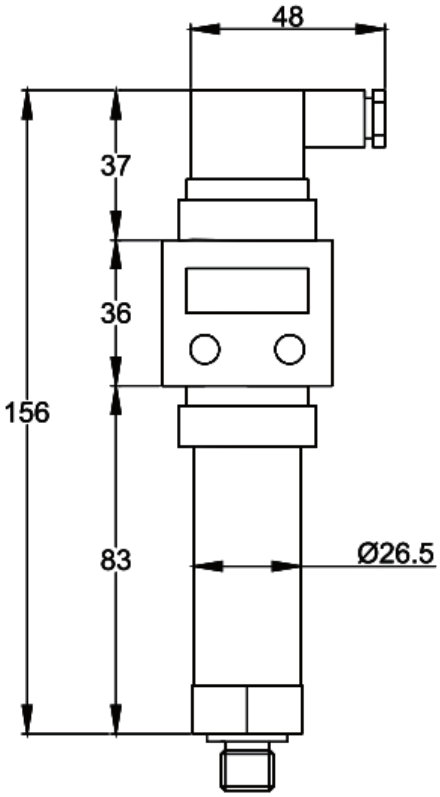
4-20mA (24V power supply) = 1

Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction. For more information or to request other versions, please contact us

Pressure transmitter Type RS03 80 (HD LCD)

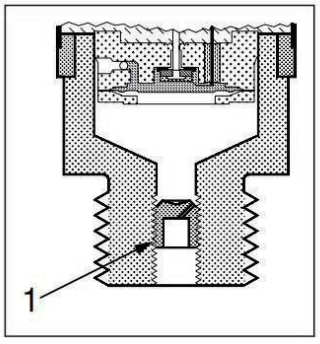
Suitable for industrial working conditions

This compact pressure transmitter is specifically designed for industrial applications in high-temperature environments. It utilizes 10 cooling fins for heat dissipation, ensuring reliable pressure measurement even under such conditions.
This flexible pressure transmitter solution covers different output signals, absolute or gauge (relative) versions, measurement ranges from -0.1 to 0 to 0 to 1000 bar, as well as various pressure and electrical connections.
With its robust design, excellent vibration stability, and high electromagnetic compatibility (EMC)/ electromagnetic interference (EMI) protection capabilities, this pressure transmitter can meet the most demanding industrial operating conditions.



Features

- Suitable for industrial operating environments with high external temperatures
- Compatible with different media (air pressure, water pressure, hydraulic pressure, etc.), except for acidic media
- All standard output signals: 4 – 20 mA, 0 – 10 V
- Both the housing and liquid-contacting parts are made of 304 material
- Multiple pressure and electrical connection methods
- Full digital compensation
- Passed CE certification
- High-definition LCD screen display



1	Pulse-snubber

Pressure Transmitter, type RS03 80

Accuracy (incl. non-linearity, hysteresis and repeatability)		⩽ ± 0.5% FS (typ.)
		⩽ ± 1.0% FS (max.)
Non-linearity BFSL (conformity)		⩽ ± 0.2% FS
Hysteresis and repeatability		⩽ ± 0.1% FS
Thermal error band (compensated temperature range)		⩽ ± 1.0% FS
Response time	Liquids with viscosity < 100 cSt	< 4 ms
	Air and gases（RS03 60）	< 35 ms
Overload pressure (static)		1.5 × FS (max. 1500 bar)
Burst pressure		1.5 × FS (max. 2000 bar)
Power-up time		< 50 ms

Ordering standard

RS03				80

M20*1.5 = 1
G1/4 = 2
M14*1.5 = 3
G1/2 = 4

0~1 MPa = 1
0~2 MPa = 2
0~5 MPa = 3
0~7 MPa = 4
0~10 MPa = 5
0~16 MPa = 6
0~20 Mpa = 7
0~25 Mpa = 8
0~35 Mpa = 9
0~40 Mpa = 10
0~50 Mpa = 11
0~100 Mpa = 12
-0.1~0MPa = 13
-0.1~1MPa = 14
customize = 15

4-20mA (24V power supply) = 1
0-10V (24V power supply) = 2

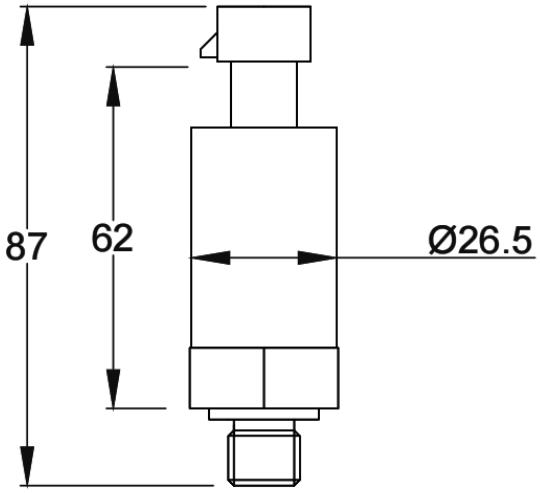
Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction. For more information or to request other versions, please contact us

Sensor operating temperature (depending on gasket material)	4 – 20 mA	-40 – 100 °C
	0-10V	-40 – 125 °C
Media temperature range		-40 – 125 °C
Compensated temperature range		0 – 100 °C

Pressure transmitter Type RS03 90 (Packard)

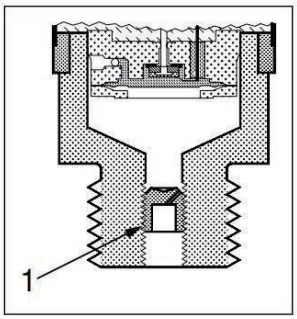
Suitable for industrial working conditions

This compact pressure transmitter is specifically designed for industrial applications in high-temperature environments. It utilizes 10 cooling fins for heat dissipation, ensuring reliable pressure measurement even under such conditions.
This flexible pressure transmitter solution covers different output signals, absolute or gauge (relative) versions, measurement ranges from -0.1 to 0 to 0 to 1000 bar, as well as various pressure and electrical connections.
With its robust design, excellent vibration stability, and high electromagnetic compatibility (EMC)/ electromagnetic interference (EMI) protection capabilities, this pressure transmitter can meet the most demanding industrial operating conditions.



Features

- Suitable for industrial operating environments with high external temperatures
- Compatible with different media (air pressure, water pressure, hydraulic pressure, etc.), except for acidic media
- All standard output signals: 4 – 20 mA, 0 – 10 V
- Both the housing and liquid-contacting parts are made of 304 material
- Multiple pressure and electrical connection methods
- Full digital compensation
- Passed CE certification
- High-definition LCD screen display



1	Pulse-snubber

Pressure Transmitter, type RS03 90

Accuracy (incl. non-linearity, hysteresis and repeatability)		⩽ ± 0.5% FS (typ.)
		⩽ ± 1.0% FS (max.)
Non-linearity BFSL (conformity)		⩽ ± 0.2% FS
Hysteresis and repeatability		⩽ ± 0.1% FS
Thermal error band (compensated temperature range)		⩽ ± 1.0% FS
Response time	Liquids with viscosity < 100 cSt	< 4 ms
	Air and gases（RS03 60）	< 35 ms
Overload pressure (static)		1.5 × FS (max. 1500 bar)
Burst pressure		1.5 × FS (max. 2000 bar)
Power-up time		< 50 ms

Ordering standard

RS03				90

M20*1.5 = 1
G1/4 = 2
M14*1.5 = 3
G1/2 = 4

0~1 MPa = 1
0~2 MPa = 2
0~5 MPa = 3
0~7 MPa = 4
0~10 MPa = 5
0~16 MPa = 6
0~20 Mpa = 7
0~25 Mpa = 8
0~35 Mpa = 9
0~40 Mpa = 10
0~50 Mpa = 11
0~100 Mpa = 12
-0.1~0MPa = 13
-0.1~1MPa = 14
customize = 15

4-20mA (24V power supply) = 1
0-10V (24V power supply) = 2

Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction. For more information or to request other versions, please contact us

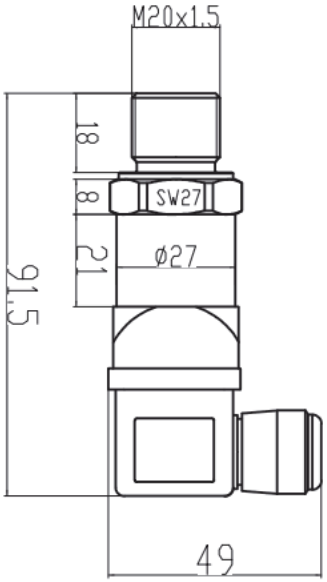
Sensor operating temperature (depending on gasket material)	4 – 20 mA	-40 – 100 °C
	0-10V	-40 – 125 °C
Media temperature range		-40 – 125 °C
Compensated temperature range		0 – 100 °C

ATOM METRIC
FINEST MEASUREMENTS, HIGHEST PRECISION

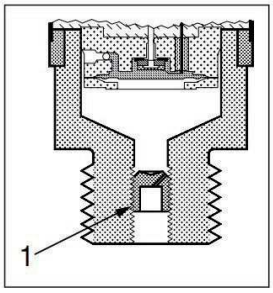
Pressure transmitter Type RS03 100

Suitable for industrial working conditions

This compact pressure transmitter is specifically designed for high-precision industrial applications, offering an error accuracy of ±0.1% and exhibiting sensitive response.
This flexible pressure transmitter solution offers a 4-20mA output signal, a measurement range of 100 to 1000 bar, and various pressure and electrical connections.
With its excellent design and high electromagnetic compatibility (EMC)/electromagnetic interference (EMI) protection capabilities, this pressure transmitter is capable of meeting high-precision industrial operating conditions.



Features
Suitable for all industrial operating environments
Compatible with different media (gases, liquids, etc.), but not suitable for acidic media
Standard output signal: 4-20 mA
The shell is made of 304 stainless steel
Multiple electrical connection methods
・Full digital compensation
・Passed CE certification
High precision of ± 0.1%



1 Pulse-snubber

Accuracy (incl. non-linearity, hysteresis and repeatability)		⩽ ± 0.5% FS (typ.)
		⩽ ± 1.0% FS (max.)
Non-linearity BFSL (conformity)		⩽ ± 0.2% FS
Hysteresis and repeatability		⩽ ± 0.1% FS
Thermal error band (compensated temperature range)		⩽ ± 1.0% FS
Response time	Liquids with viscosity < 100 cSt	< 4 ms
	Air and gases（RS03 60）	< 35 ms
Overload pressure (static)		1.5 × FS (max. 1500 bar)
Burst pressure		1.5 × FS (max. 2000 bar)
Power-up time		< 50 ms

Pressure Transmitter, type RS03 100

Ordering standard

RS03				100

M20*1.5	= 1
G1/4	= 2
M14*1.5	= 3
G1/2	= 4

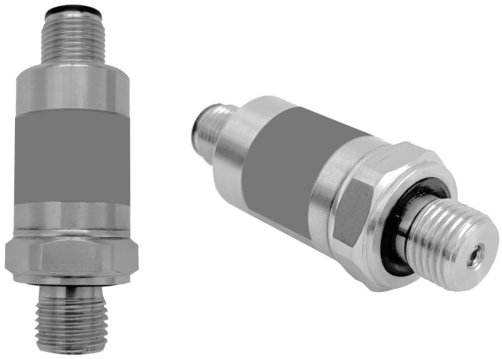
0~1 MPa	= 1
0~2 MPa	= 2
0~5 MPa	= 3
0~7 MPa	= 4
0~10 MPa	= 5
0~16 MPa	= 6
0~20 Mpa	= 7
0~25 Mpa	= 8
0~35 Mpa	= 9
0~40 Mpa	= 10
0~50 Mpa	= 11
0~100 Mpa	= 12
-0.1~0MPa	= 13
-0.1~1MPa	= 14
customize	= 15

4-20mA (24V power supply)	= 1
0-10V (24V power supply)	= 2
0-5V (24V power supply)	= 3
1-5V (24V power supply)	= 4
1-6V (24V power supply)	= 5
0.1-10V (24V power supply)	= 6
0-5V (5V power supply)	= 7
1-5V (5V power supply)	= 8
0.5-4.5V (5V power supply)	= 9
RS485	= 10

Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction. For more information or to request other versions, please contact us

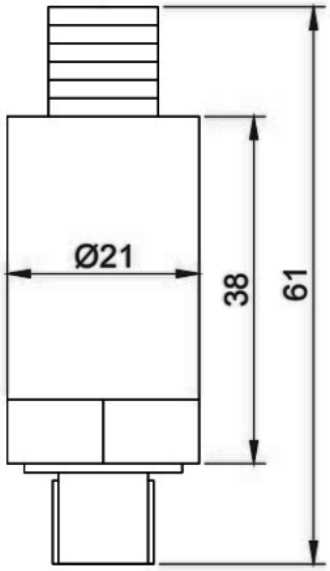
Sensor operating temperature (depending on gasket material)	4 – 20 mA	-40 – 100 °C
	0-10V, 0-5V, 1-5V, 1-6V, 0.5-4.5V	-40 – 125 °C
Media temperature range		-40 – 125 °C
Compensated temperature range		0 – 100 °C

Pressure transmitter Type RS03 110



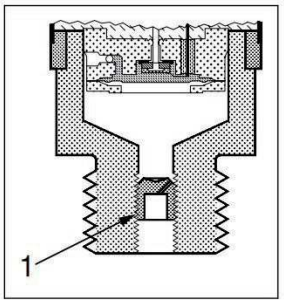
Suitable for industrial working conditions

This compact pressure transmitter is designed for industrial applications that require high pressure and high impact, with sensitive response and the ability to withstand saturation impacts up to 5 times its own pressure and high-frequency complex pressure cycles,
This flexible pressure transmitter solution provides 4-20mA, 0-5V, 0-10V output signals, a measurement range of 100 to 1000 bar, and various pressure and electrical connections.
With its robust design, excellent vibration stability, and high electromagnetic compatibility (EMC)/ electromagnetic interference (EMI) protection capabilities, this temperature transmitter can meet the most demanding industrial operating conditions.



Features

- Applicable to all industrial operating environments
- Compatible with different media (gases, liquids, etc.), but not suitable for acidic media
- All standard output signals: 4 – 20 mA, 0 – 5 V, 0– 10 V
- The shell is made of 304 stainless steel
- Multiple electrical connection methods
- Full digital compensation
- Passed CE certification



1	Pulse-snubber

Accuracy (incl. non-linearity, hysteresis and repeatability)		⩽ ± 0.5% FS (typ.)
		⩽ ± 1.0% FS (max.)
Non-linearity BFSL (conformity)		⩽ ± 0.2% FS
Hysteresis and repeatability		⩽ ± 0.1% FS
Thermal error band (compensated temperature range)		⩽ ± 1.0% FS
Response time	Liquids with viscosity < 100 cSt	< 4 ms
	Air and gases（RS03 60）	< 35 ms
Overload pressure (static)		5 × FS (max. 1500 bar)
Burst pressure		5 × FS (max. 2000 bar)
Power-up time		< 50 ms

Pressure Transmitter, type RS03 110

Ordering standard

RS03				110

G1/4 = 1

0-10MPa	= 1
0-16MPa	= 2
0-20MPa	= 3
0-25MPa	= 4
0-35Mpa	= 5
0-40Mpa	= 6
0-60Mpa	= 7
0-70Mpa	= 8
0-100Mpa	= 9
0-120Mpa	= 10
0-150Mpa	= 11
0-180Mpa	= 12
0-200Mpa	= 13
0-250Mpa	= 14

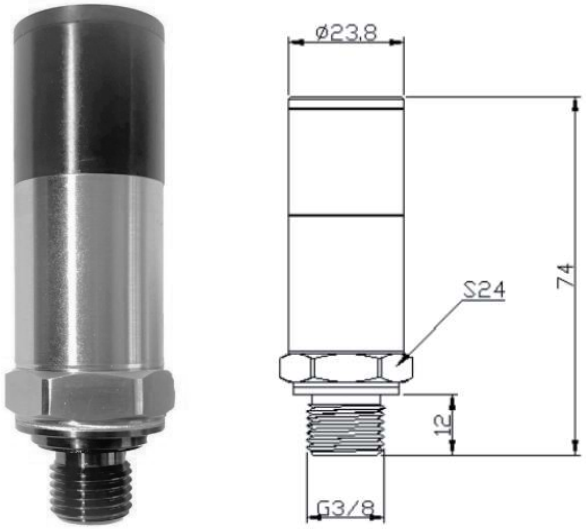
4-20mA(24V power supply)	= 1
0-5V(24V power supply)	= 2
0-10V(24V power supply	= 3

Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction. For more information or to request other versions, please contact us

Sensor operating temperature (depending on gasket material)	4 – 20 mA	-40 – 100 °C
	0-10V, 0-5V, 1-5V, 1-6V, 0.5-4.5V	-40 – 125 °C
Media temperature range		-40 – 125 °C
Compensated temperature range		0 – 100 °C

ATOM METRIC
FINEST MEASUREMENTS, HIGHEST PRECISION

Pressure transmitter Type RS03 120

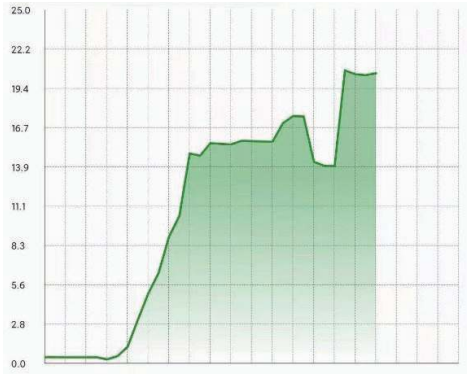


Suitable for industrial working conditions

The Bluetooth type medium high pressure wireless pressure transmitter can be directly installed on the hydraulic pipeline through the pressure pipe joint. Adopting standard. GHz wireless communication protocol, low power consumption, and long battery life. The core adopts silicon micro melting technolo-gy, characterized by a single piece integrated struc-ture of stainless steel; No O-rings, no welds, no silicone oil; Wide pressure range and wide range coverage; Strong overload capacity.

Features:

- Supports Bluetooth wireless transmission method
- Low power consumption
- Button type battery power supply, long standby
- time Compact structure, easy on-site installation



Accuracy (incl. non-linearity, hysteresis and repeatability)		⩽ ± 0.5% FS (typ.)
		⩽ ± 1.0% FS (max.)
Non-linearity BFSL (conformity)		⩽ ± 0.2% FS
Hysteresis and repeatability		⩽ ± 0.1% FS
Thermal error band (compensated temperature range)		⩽ ± 1.0% FS
Response time	Liquids with viscosity < 100 cSt	< 4 ms
	Air and gases（RS03 60）	< 35 ms
Overload pressure (static)		1.5 × FS (max. 1500 bar)
Burst pressure		1.5 × FS (max. 2000 bar)
Power-up time		< 50 ms

Pressure Transmitter, type RS03 120

Ordering standard

RS03			120

G1/4	= 1

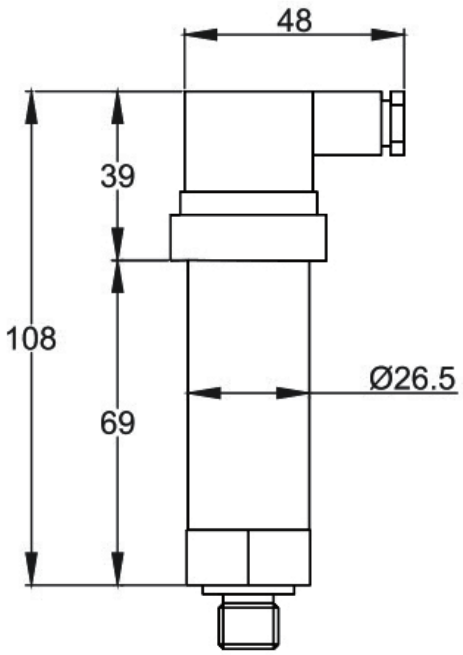
0~1MPa	= 1
0~2MPa	= 2
0~5MPa	= 3
0~7MPa	= 4
0~10MPa	= 5
0~16MPa	= 6
0~20MPa	= 7
0~25MPa	= 8
0~35MPa	= 9
0~40MPa	= 10
0~60MPa	= 11
0~100MPa	= 12

Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction. For more information or to request other versions, please contact us

Pressure transmitter Type RS03 130

Suitable for industrial working conditions

This compact pressure transmitter is designed for high pollution, sediment, and viscous hydraulic environmental applications. It has a hard bottom contact surface, ensuring reliable pressure measurement even in severe pollution situations.
This flexible pressure transmitter solution covers different output signals, with a measurement range of 100 to 1000 bar, as well as various pressure and electrical connections.
With its robust design, excellent vibration stability, and high electromagnetic compatibility (EMC)/ electromagnetic interference (EMI) protection capabilities, this pressure transmitter can meet the most demanding industrial operating conditions.
Features
Suitable for heavily polluted industrial operating environments
Compatible with different media (air pressure, water pressure, hydraulic pressure, etc.), except for acidic media
All standard output signals: 4-20mA, 0-10V
The shell and liquid contact parts are both made of 304 material
Multiple pressure and electrical connection methods
・Full digital compensation
・Passed CE certification



Pressure Transmitter, type RS03 130

Ordering standard

RS03				130

G1/4 = 1

0-4Mpa = 1
0~7MPa = 2
0~10MPa = 3
0~16MPa = 4
0~20MPa = 5
0~25MPa = 6
0~35MPa = 7
0~40MPa = 8
0~60MPa = 9
0~100MPa = 10

4-20mA(24V power supply) = 1
0-10V (24Vpower supply) = 2

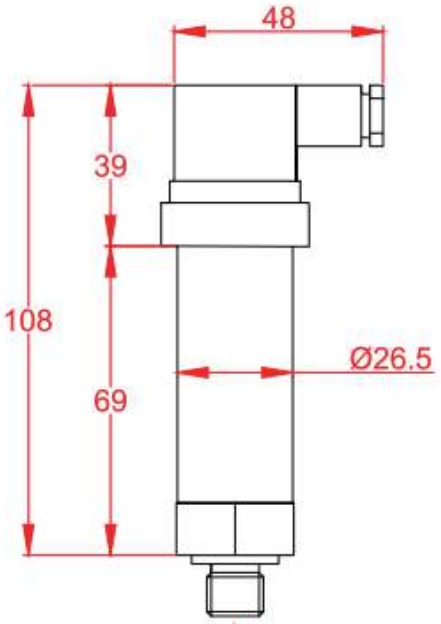
Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction. For more information or to request other versions, please contact us

Sensor operating temperature (depending on gasket material)	4 – 20 mA	-40 – 100 °C
	0-10V	-40 – 125 °C
Media temperature range		-40 – 125 °C
Compensated temperature range		0 – 100 °C

Pressure transmitter Type RS03 140

Suitable for industrial working conditions

This compact pressure transmitter is specifically designed for high-precision industrial applications, offering an error accuracy of ±0.1% and exhibiting sensitive response.
This flexible pressure transmitter solution offers a 4-20mA output signal, a measurement range of 100 to 1000 bar, and various pressure and electrical connections.
With its excellent design and high electromagnetic compatibility (EMC)/electromagnetic interference (EMI) protection capabilities, this pressure transmitter is capable of meeting high-precision industrial operating conditions.



Features
Suitable for all industrial operating environments
Compatible with different media (gases, liquids, etc.), but not suitable for acidic media
Standard output signal: 4-20 mA
The shell is made of 304 stainless steel
Multiple electrical connection methods
・Full digital compensation
・Passed CE certification
High precision of ± 0.1%

Accuracy (incl. non-linearity, hysteresis and repeatability)		⩽ ± 0.5% FS (typ.)
		⩽ ± 1.0% FS (max.)
Non-linearity BFSL (conformity)		⩽ ± 0.2% FS
Hysteresis and repeatability		⩽ ± 0.1% FS
Thermal error band (compensated temperature range)		⩽ ± 1.0% FS
Response time	Liquids with viscosity < 100 cSt	< 4 ms
	Air and gases（RS03 60）	< 35 ms
Overload pressure (static)		1.5 × FS (max. 1500 bar)
Burst pressure		1.5 × FS (max. 2000 bar)
Power-up time		< 50 ms

Pressure Transmitter, type RS03 140

Ordering standard

RS03				140

M20*1.5	= 1
G1/4	= 2
M14*1.5	= 3
G1/2	= 4

0~1Mpa	= 1
0~2MPa	= 2
0~5MPa	= 3
0~7MPa	= 4
0~10MPa	= 5
0~16MPa	= 6
0~20MPa	= 7
0~25MPa	= 8
0~35MPa	= 9
0~40MPa	= 10
0~50MPa	= 11
0~100MPa	= 12
Customize	= 13

4-20mA (24V power supply)	= 1
0-10V (24V power supply)	= 2
0-5V (24V power supply)	= 3
1-5V (24V power supply)	= 4
1-6V (24V power supply)	= 5
0.1-10V (24V power supply)	= 6
0-5V (5V power supply)	= 7
1-5V (5V power supply)	= 8
0.5-4.5V (5V power supply)	= 9
RS485	= 10

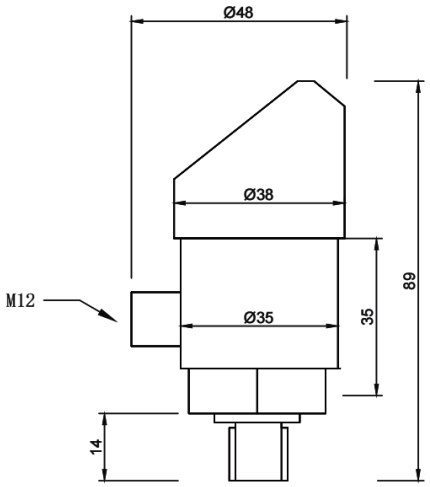
Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction. For more information or to request other versions, please contact us

Sensor operating temperature (depending on gasket material)	4 – 20 mA	-40 – 100 °C
	0-10V	-40 – 125 °C
Media temperature range		-40 – 125 °C
Compensated temperature range		0 – 100 °C

Pressure transmitter Type RS03 150

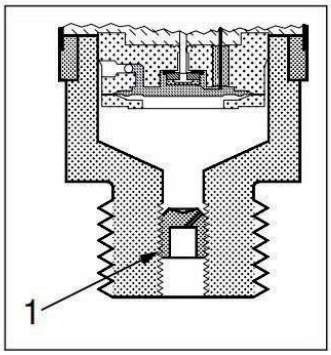
Suitable for industrial working conditions

This digital pressure switch is used for pressure measure-ment, display, output, and control Integrated intelligent digital pressure measurement and control product. This product has a fully electronic structure, The front end adopts a pressure sensor with an isolation membrane filled hydraulic resistance, and the output signal is from High precision, low-temperature drift amplifier amplifica-tion processing, sent to high-precision A/D conversion Converter, converts into digital signals that can be processed by microprocessors, and performs calculations The processed signal controls two switches to measure and control the pressure of the control system. This intelligent digital pressure switch is flexible to use, easy to operate, and easy to debug, safe and reliable Widely used in hydropower, tap water, petroleum, chemical industry, machinery-Measurement, display, and control of fluid medium pres-sure in industries such as machinery and hydraulic systems System.



Features

- 4-digit display of current pressure value
- Pressure preset switch point and switch point action delay function
- Optional switch output function (hysteresis function, window function)
- Equipped with node action light-emitting diodes for observation easy
- Button calibration and on-site setting of various param to operate eters, easy
- 2-channel switch output, with a load capacity of 1.2A
- Analog output (4-20mA)



1	Pulse-snubber

Accuracy (incl. non-linearity, hysteresis and repeatability)		⩽ ± 0.5% FS (typ.)
		⩽ ± 1.0% FS (max.)
Non-linearity BFSL (conformity)		⩽ ± 0.2% FS
Hysteresis and repeatability		⩽ ± 0.1% FS
Thermal error band (compensated temperature range)		⩽ ± 1.0% FS
Response time	Liquids with viscosity < 100 cSt	< 4 ms
	Air and gases（RS03 60）	< 35 ms
Overload pressure (static)		1.5 × FS (max. 1500 bar)
Burst pressure		1.5 × FS (max. 2000 bar)
Power-up time		< 50 ms

Pressure Transmitter, type RS03 150

Ordering standard

RS03			150

M20*1.5	= 1
G1/4	= 2
M14*1.5	= 3
G1/2	= 4

0~1Mpa	= 1
0~2MPa	= 2
0~5MPa	= 3
0~7MPa	= 4
0~10MPa	= 5
0~16MPa	= 6
0~20MPa	= 7
0~25MPa	= 8
0~35MPa	= 9
0~40MPa	= 10
0~50MPa	= 11
0~100MPa	= 12

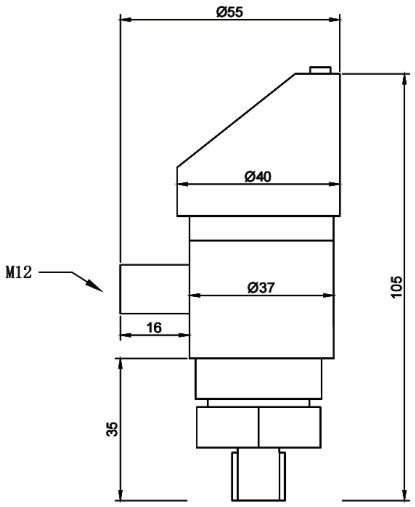
Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction. For more information or to request other versions, please contact us

Control Range	-0.1...0~0.01...100MPa	Accuracy	≤±0.5%FS
Stability	≤±0.5% / year	Display Accuracy	±0.1%FS
Display Type	OLED screen	Display Range	-9999~99999
Power Supply	13-30VDC	Static Power Consumption	< 12mA
Response Time	< 5mS	Wiring	M12 Industrial Connector
Output Mode	2 Switch Outputs + 1 Analog Output	Load Capacity	<2A
Protection Level	IP65	Switch Life	>1000000 cycles
Ambient temperature	-30℃~70℃	Medium Temperature	-40℃~85℃

Pressure transmitter
Type RS03 160

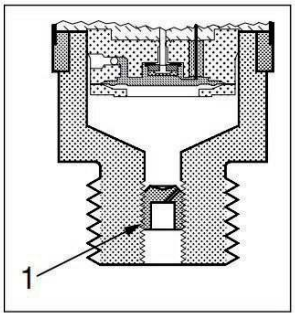
Suitable for industrial working conditions

This digital pressure switch is used for pressure measurement, display, output, and control Integrated intelligent digital press measurement and control product. This product has a fully ele structure, The front end adopts a pressure sensor with an isola membrane filled hydraulic resistance, and the output signal is from- High precision, low-temperature drift amplifier amplification processing, sent to high-precision A/D conversion Converter, converts into digital signals that can be processed by microprocessors, and performs calculations The processed signal controls two switches to measure and control the pres-sure of the control system. This intelligent digital pressure switch is flexible to use, easy to operate, and easy to debug, safe and reliable Widely used in hydro power, tap water, petroleum, chemical industry, machinery Measurement, display,, and control of fluid medium pressure in industries such as machinery and hydraulic systemsSystem.



Features

- 4-digit display of current pressure value
- Pressure preset switch point and switch point action delay function
- Optional switch output function (hysteresis function, window function)
- Equipped with node action light-emitting diodes for easy observation
- Button calibration and on-site setting of various parameters, easy to operate
- 2-channel switch output, with a load capacity of 1.2A
- Analog output (4-20mA)
- The pressure interface can rotate 330 °



1	Pulse-snubber

Accuracy (incl. non-linearity, hysteresis and repeatability)		⩽ ± 0.5% FS (typ.)
		⩽ ± 1.0% FS (max.)
Non-linearity BFSL (conformity)		⩽ ± 0.2% FS
Hysteresis and repeatability		⩽ ± 0.1% FS
Thermal error band (compensated temperature range)		⩽ ± 1.0% FS
Response time	Liquids with viscosity < 100 cSt	< 4 ms
	Air and gases（RS03 60）	< 35 ms
Overload pressure (static)		1.5 × FS (max. 1500 bar)
Burst pressure		1.5 × FS (max. 2000 bar)
Power-up time		< 50 ms

Pressure Transmitter, type RS03 160

Ordering standard

RS03			160

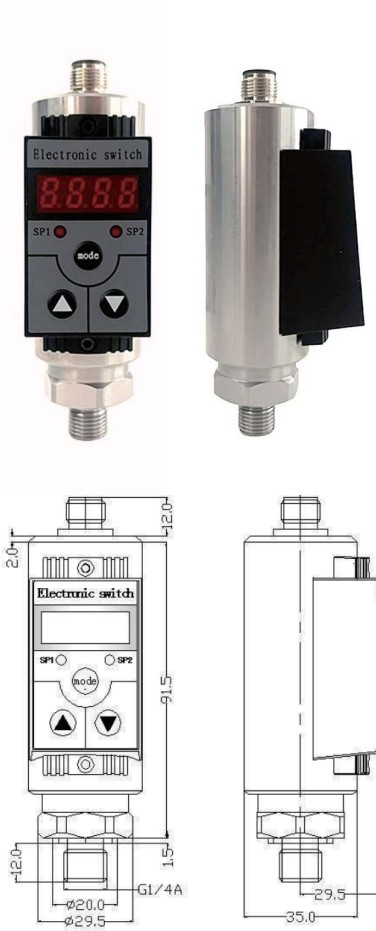
M20*1.5	= 1
G1/4	= 2
M14*1.5	= 3
G1/2	= 4

0~1Mpa	= 1
0~2MPa	= 2
0~5MPa	= 3
0~7MPa	= 4
0~10MPa	= 5
0~16MPa	= 6
0~20MPa	= 7
0~25MPa	= 8
0~35MPa	= 9
0~40MPa	= 10
0~50MPa	= 11
0~100MPa	= 12

Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction. For more information or to request other versions, please contact us

Control Range	-0.1...0~0.01...100MPa	Accuracy	≤±0.5%FS
Stability	≤±0.5% / year	Display Accuracy	±0.1%FS
Display Type	OLED screen	Display Range	-9999~99999
Power Supply	13-30VDC	Static Power Consumption	< 12mA
Response Time	< 5mS	Wiring	M12 Industrial Connector
Output Mode	2 Switch Outputs + 1 Analog Output	Load Capacity	<2A
Protection Level	IP65	Switch Life	>1000000 cycles
Ambient temperature	-30℃~70℃	Medium Temperature	-40℃~85℃

Pressure transmitter
Type RS03 170

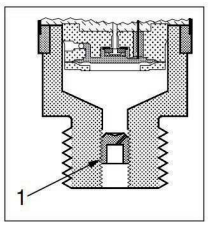


Suitable for industrial working conditions

This digital pressure switch is used for pressure measure-ment, display, output, and control Integrated intelligent digital pressure measurement and con-trol product. This product has a fully electronic structure, The front end adopts a pressure sensor with an isolation membrane filled hydraulic resistance, and the output signal is from High precision, low-temperature drift amplifier amplification processing, sent to high-precision A/D conversion Converter, converts into digital signals that can be processed by microprocessors, and performs calculations The processed signal controls two switches to measure and control the pressure of the control system. This intelligent digital pressure switch is flexible to use, easy to operate, and easy to debug, safe and reliable Widely used in hydro-power, tap water,- petroleum, chemical industry, machinery Measurement, display, and control of fluid medium pressure in industries such as machinery and hydraulic systems System.

Features

- 4-digit display of current pressure value
- Pressure preset switch point and switch point action delay function
- Optional switch output function (hysteresis function, window function)
- Equipped with node action light-emitting diodes for easy observation
- Button calibration and on-site setting of various parameters, easy to operate -
- 2-channel switch output, with a load capacity of 1.2A
- Analog output (4-20mA)
- The pressure interface can rotate 330 °



1 Pulse-snubber

Accuracy (incl. non-linearity, hysteresis and repeatability)		⩽ ± 0.5% FS (typ.)
		⩽ ± 1.0% FS (max.)
Non-linearity BFSL (conformity)		⩽ ± 0.2% FS
Hysteresis and repeatability		⩽ ± 0.1% FS
Thermal error band (compensated temperature range)		⩽ ± 1.0% FS
Response time	Liquids with viscosity < 100 cSt	< 4 ms
	Air and gases（RS03 60）	< 35 ms
Overload pressure (static)		1.5 × FS (max. 1500 bar)
Burst pressure		1.5 × FS (max. 2000 bar)
Power-up time		< 50 ms

Temperature Transmitter, type RS03 170

Ordering standard

RS03			170

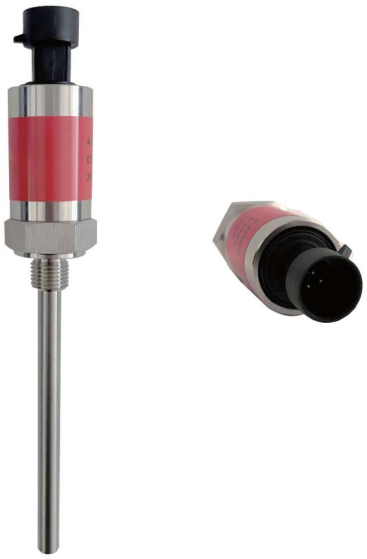
M20*1.5	= 1
G1/4	= 2
M14*1.5	= 3
G1/2	= 4

0~1Mpa	= 1
0~2MPa	= 2
0~5MPa	= 3
0~7MPa	= 4
0~10MPa	= 5
0~16MPa	= 6
0~20MPa	= 7
0~25MPa	= 8
0~35MPa	= 9
0~40MPa	= 10
0~50MPa	= 11
0~100MPa	= 12

Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction. For more information or to request other versions, please contact us

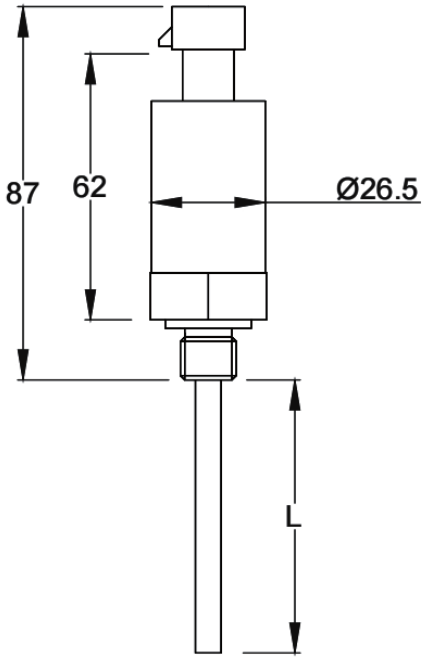
Control Range	-0.1...0~0.01...100MPa	Accuracy	≤±0.5%FS
Stability	≤±0.5% / year	Display Accuracy	±0.1%FS
Display Type	OLED screen	Display Range	-9999~99999
Power Supply	13-30VDC	Static Power Consumption	< 12mA
Response Time	< 5mS	Wiring	M12 Industrial Connector
Output Mode	2 Switch Outputs + 1 Analog Output	Load Capacity	<2A
Protection Level	IP65	Switch Life	>1000000 cycles
Ambient temperature	-30℃~70℃	Medium Temperature	-40℃～85℃

Temperature transmitter Type RS04 10 (packard)



Suitable for industrial working conditions

This temperature sensor is used in general industrial applications to control cooling water, lubricating oil, hydraulic oil, and refrigeration equipment.
Using standard Pt 100 or Pt 1000 components can ensure the reliability and accuracy of measurements.
It has multiple installation threads and electrical plugs, ensuring wide compatibility.
The temperature range can be specified, such as -50 °C~100 °C or 0 °C~200 °C, which is very wide.
The measurement plug is based on a silicone cable, making the sensor very earthquake resistant.
Made of stainless steel material, it is more stable and long-lasting.



Features

- Gas or liquid media, such as air, gas, steam, water, or oil.
- The maximum medium temperature reaches 300°C
- Pt 100 or Pt 1000 sensing element
- A-level highly sensitive core
- Can be used in conjunction with 2-wire or 3-wire connections
- Matching male and female connectors

Feature	Instructions	
Measurement Range	Specified range	
Temperature sensing element	High sensitivity and high precision core	
Protective tube	Stainless steel 8mm	
Allow medium flow rate	Air	25 m/s
	Water	3 m/s

Temperature Transmitter, type RS04 10

Ordering standard

Rs04					10

G1/2 = 1
G1/4 = 2

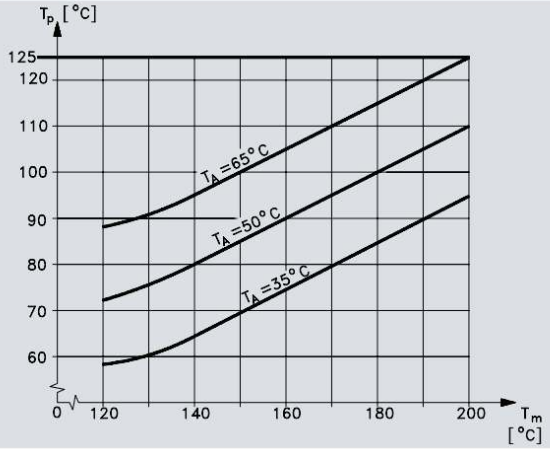
Customized range = 1

4-20mA (24V power supply) = 1
0-10V(24V power supply) = 2
0-5V (24V power supply) = 3

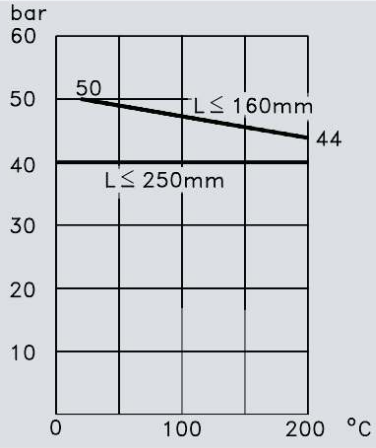
Customized "L" length = 1

Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction. For more information or to request other versions, please contact us

MAXIMUM TEMPERATURE (EXTENSION LENGTH "NONE")

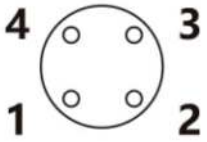


MAXIMUM LOAD OF PROTECTIVE TUBE (O8X1, 10X2)



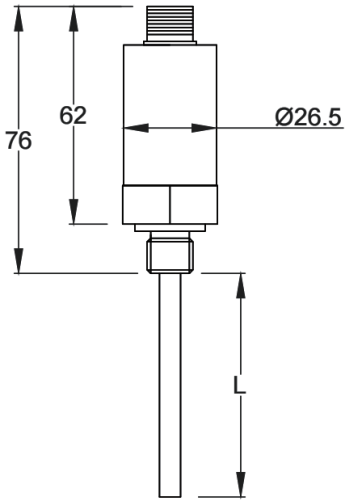
Feature	Instructions	
Sensor tolerance	En60751 Level B: (0.3+0.005xt)	T=medium temperature, numerical value
Anti vibration stability	Impact resistance:	100g/6ms
Protective tube	Anti vibration:	4g sine function 5-200Hz, measured according to IEC60068-2-6
Protection level	Ip65，According to IEC60529 standard	

Temperature transmitter Type RS04 20



Suitable for industrial working conditions

This temperature sensor is used in general indus-trial applications to control cooling water, lubricating oil, hydraulic oil, and refrigeration equipment. Using standard Pt 100 or Pt 1000 components can ensure the reliability and accuracy of measure-ments.
It has multiple installation threads and electrical plugs, ensuring wide compatibility. The temperature range can be specified, such as 50°C~100°C or 0°C~200°C, which is very wide. The measurement plug is based on a silicone cable, making the sensor very earthquake resistant.-
Made of stainless steel material, it is more stable and long-lasting.



Features

- Applicable to all industrial operating environments
- Compatible with different media (gases, liquids, etc.), but not suitable for acidic media
- All standard output signals: 4 – 20 mA, 0 – 5 V, 0– 10 V
- The shell is made of 304 stainless steel
- Multiple electrical connection methods
- Full digital compensation
- Passed CE certification

Feature	Instructions	
Measurement Range	Specified range	
Temperature sensing element	High sensitivity and high precision core	
Protective tube	Stainless steel 8mm	
Allow medium flow rate	Air	25 m/s
	Water	3 m/s

Temperature Transmitter, type RS04 20

Ordering standard

Rs04					20

G1/2 = 1
G1/4 = 2

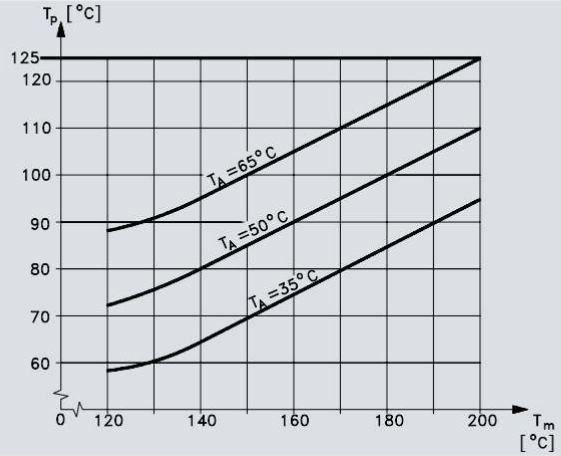
Customized range = 1

4-20mA (24V power supply) = 1
0-10V(24V power supply) = 2
0-5V (24V power supply) = 3

Customized "L" length = 1

Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction. For more information or to request other versions, please contact us

MAXIMUM TEMPERATURE (EXTENSION LENGTH "NONE")



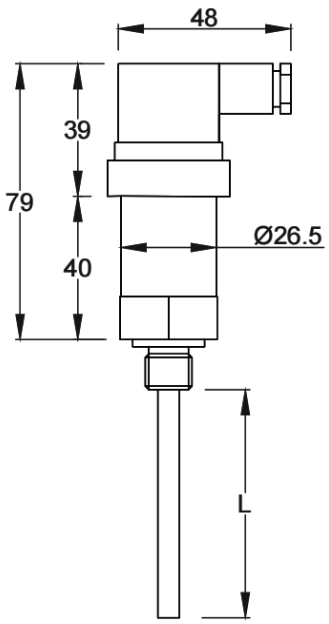
MAXIMUM LOAD OF PROTECTIVE TUBE (O8X1, 10X2)

Feature	Instructions	
Sensor tolerance	En60751 Level B: (0.3+0.005xt)	T=medium temperature, numerical value
Anti vibration stability	Impact resistance:	100g/6ms
Protective tube	Anti vibration:	4g sine function 5-200Hz, measured according to IEC60068-2-6
Protection level	Ip65，According to IEC60529 standard	

Temperature transmitter Type RS04 30

Suitable for industrial working conditions

This temperature sensor is used in general industrial applications to control cooling water, lubricating oil, hydraulic oil, and refrigeration equipment.
Using standard Pt 100 or Pt 1000 components can ensure the reliability and accuracy of measurements.
It has multiple installation threads and electrical plugs, ensuring wide compatibility.
The temperature range can be specified, such as -50 °C~100 °C or 0 °C~200 °C, which is very wide.
The measurement plug is based on a silicone cable, making the sensor very earthquake resistant.
Made of stainless steel material, it is more stable and long-lasting.



Features

- Gas or liquid media, such as air, gas, steam, water, or oil.
- The maximum medium temperature reaches 300°C
- Pt 100 or Pt 1000 sensing element
- A-level highly sensitive core
- Can be used in conjunction with 2-wire or 3-wire connections
- Matching male and female connectors

Feature	Instructions	
Measurement Range	Specified range	
Temperature sensing element	High sensitivity and high precision core	
Protective tube	Stainless steel 8mm	
Allow medium flow rate	Air	25 m/s
	Water	3 m/s

Temperature Transmitter, type RS04 30

Ordering standard

Rs04					30

G1/2 = 1
G1/4 = 2

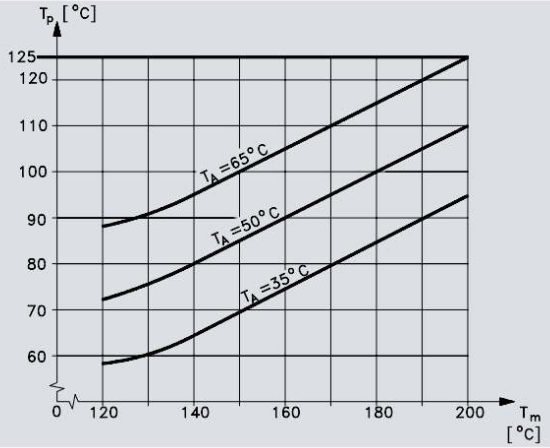
Customized range = 1

4-20mA (24V power supply) = 1
0-10V(24V power supply) = 2
0-5V (24V power supply) = 3

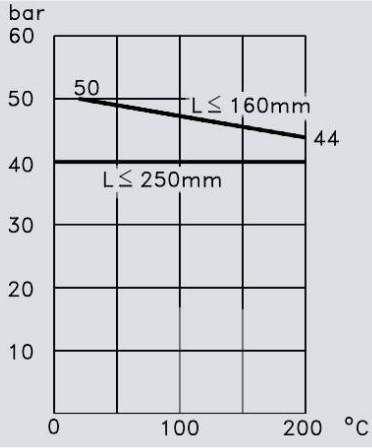
Customized "L" length = 1

Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction. For more information or to request other versions, please contact us

MAXIMUM TEMPERATURE (EXTENSION LENGTH "NONE")



MAXIMUM LOAD OF PROTECTIVE TUBE (O8X1, 10X2)

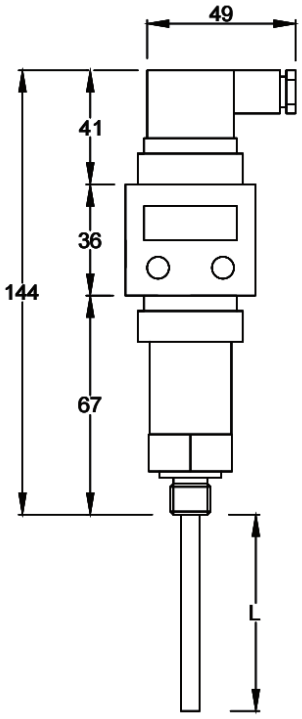


Feature	Instructions	
Sensor tolerance	En60751 Level B: (0.3+0.005xt)	T=medium temperature, numerical value
Anti vibration stability	Impact resistance:	100g/6ms
Protective tube	Anti vibration:	4g sine function 5-200Hz, measured according to IEC60068-2-6
Protection level	Ip65，According to IEC60529 standard	

Temperature transmitter Type RS04 40 (HD LCD)

Suitable for industrial working conditions

This temperature sensor is used in general industrial applications to control cooling water, lubricating oil, hydraulic oil, and refrigeration equipment.
Using standard Pt 100 or Pt 1000 components can ensure the reliability and accuracy of measurements.
It has multiple installation threads and electrical plugs, ensuring wide compatibility.
The temperature range can be specified, such as -50 °C~100 °C or 0 °C~200 °C, which is very wide.
The measurement plug is based on a silicone cable, making the sensor very earthquake resistant.
Made of stainless steel material, it is more stable and long-lasting.



Features

- Gas or liquid media, such as air, gas, steam, water, or oil.
- The maximum medium temperature reaches 300°C
- Pt 100 or Pt 1000 sensing element
- A-level highly sensitive core
- Can be used in conjunction with 2-wire or 3-wire connections
- Matching male and female connectors

Feature	Instructions	
Measurement Range	Specified range	
Temperature sensing element	High sensitivity and high precision core	
Protective tube	Stainless steel 8mm	
Allow medium flow rate	Air	25 m/s
	Water	3 m/s

Temperature Transmitter, type RS04 40 (HD LCD)

Ordering standard

Rs04					40

G1/2 = 1
G1/4 = 2

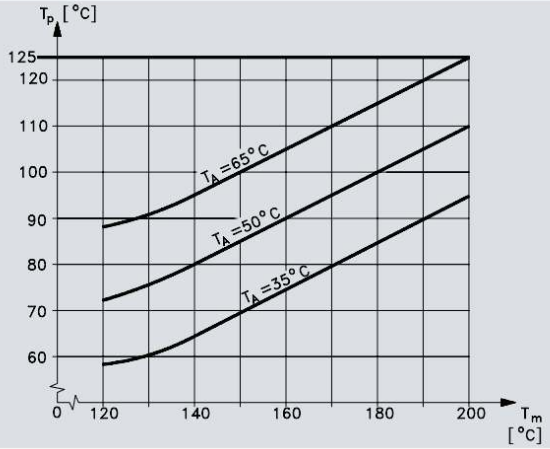
Customized range = 1

4-20mA (24V power supply) = 1
0-10V(24V power supply) = 2
0-5V (24V power supply) = 3

Customized "L" length = 1

Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction. For more information or to request other versions, please contact us

MAXIMUM TEMPERATURE (EXTENSION LENGTH "NONE")



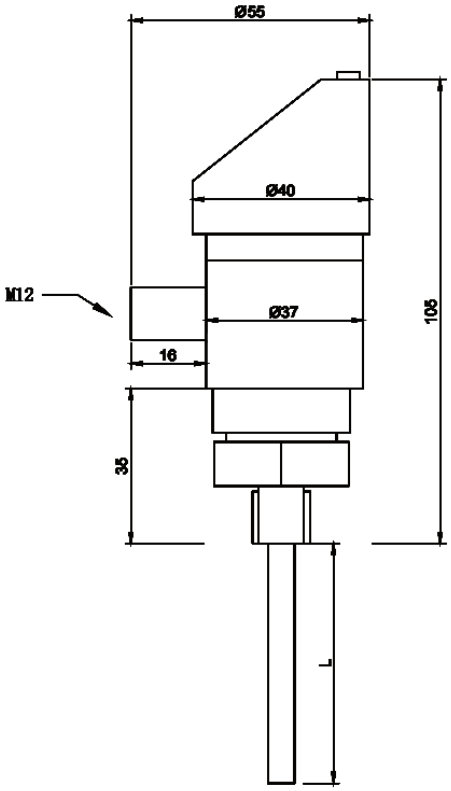
MAXIMUM LOAD OF PROTECTIVE TUBE (O8X1, 10X2)

Feature	Instructions	
Sensor tolerance	En60751 Level B: (0.3+0.005xt)	T=medium temperature, numerical value
Anti vibration stability	Impact resistance:	100g/6ms
Protective tube	Anti vibration:	4g sine function 5-200Hz, measured according to IEC60068-2-6
Protection level	Ip65，According to IEC60529 standard	

Temperature transmitter Type RS04 50

Suitable for industrial working conditions

This digital temperature switch is used for temperature measurement, display, output, and control
Integrated intelligent digital temperature measurement and control product. This product has a fully electronic structure,
The front-end adopts a high-sensitivity core with PT100/PT1000, and the output signal is composed of High precision, low-temperature drift amplifier amplification processing, sent to high-precision A/D conversion Converter, converts into digital signals that can be processed by microprocessors, and performs calculations
The processed signal controls two switches to measure and control the temperature of the control system.
This intelligent digital temperature switch is flexible to use, easy to operate, and easy to debug,
safe and reliable Widely used in hydropower, tap water, petroleum, chemical industry, machinery
Measuring, displaying, and controlling the temperature of fluid media in industries such as machinery and hydraulic systems.



Features

• 4-digit display of current pressure value
• Temperature preset switch point and switch point action delay function
• Optional switch output function (hysteresis function, window function)
• Equipped with node action light-emitting diodes for easy observation
• Button calibration and on-site setting of various parameters, easy to operate
• 2-channel switch output, with a load capacity of 1.2A
Analog output (4-20mA)
The pressure interface can rotate 330 °

Feature	Instructions	
Measurement Range	Specified range	
Temperature sensing element	High sensitivity and high precision core	
Protective tube	Stainless steel 8mm	
Allow medium flow rate	Air	25 m/s
	Water	3 m/s

Temperature Transmitter, type RS04 50

Ordering standard

Rs04				50

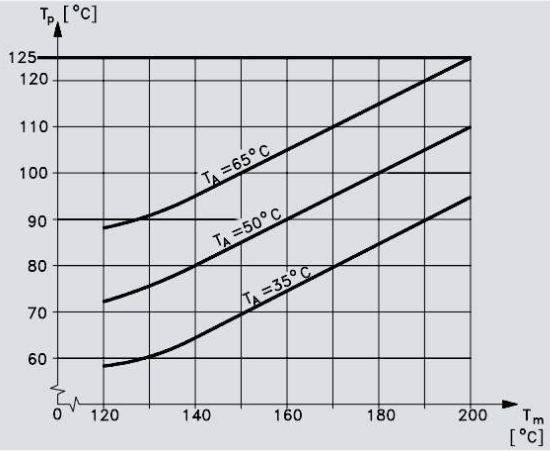
M20*1.5	= 1
G1/4	= 2
M14*1.5	= 3
G1/2	= 4

Customized range	= 1

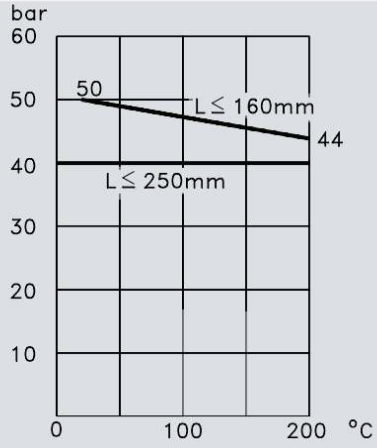
0.5-1.5bar	= 1
1-10bar	= 2
5-100bar	= 3
100-400bar	= 4
Customized "L" length	= 5

Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction. For more information or to request other versions, please contact us

MAXIMUM TEMPERATURE (EXTENSION LENGTH "NONE")



MAXIMUM LOAD OF PROTECTIVE TUBE (O8X1, 10X2)



Feature	Instructions	
Sensor tolerance	En60751 Level B: (0.3+0.005xt)	T=medium temperature, numerical value
Anti vibration stability	Impact resistance:	100g/6ms
Protective tube	Anti vibration:	4g sine function 5-200Hz, measured according to IEC60068-2-6
Protection level	Ip65，According to IEC60529 standard	

Level Switch
Type RS05 10

Suitable for industrial working conditions

The liquid level float switch is mainly composed of a magnetic spring switch and a float ball. The float ball contains magnetic material, and one or more magnetic spring switches are installed in a closed non-magnetic metal or plastic tube. Then, the conduit is passed through one or more float balls with magnetic material, and a fixed double ring is used to control the float ball and the magnetic spring switch in the relevant position. As the liquid rises or falls, the float ball uses the contact point near the beginning of the magnetic spring inside the ball to produce on/off actions, which control or indicate the liquid level (when the float ball approaches the magnetic spring switch, it is conductive; when it leaves, the switch is disconnected). The liquid level float switch can be used as a water level sensor for water heating equipment such as water dispensers, water purifiers, water heaters, solar energy, air conditioners, humidifiers, coffee machines, small refrigerators, etc. It is widely used in automobiles, industrial equipment, agricultural equipment, and household appliances.

Features

- All stainless steel series, durable and long-lasting
- Stainless steel snap ring, moisture resistant
- Fixed positioning can be set arbitrarily
- Sensitive signal and fast response speed
- Not affected by temperature, long life span
- High cost-effectiveness, widely used in the liguid measurement industry

Main material	SUS304S
Switching voltage	350Vdc/300Vac-Max.
Switching current	0.7Adc/0.5Aac-MaX
Contact capacity	50W/70VA
Individual specific gravity	>0.7g/cm3
Work pressure	<1.0Mpa
Operating Temperature	-40-125°C
Insulation resistance	10 Q-Min.

Level Switch, type RS05 10

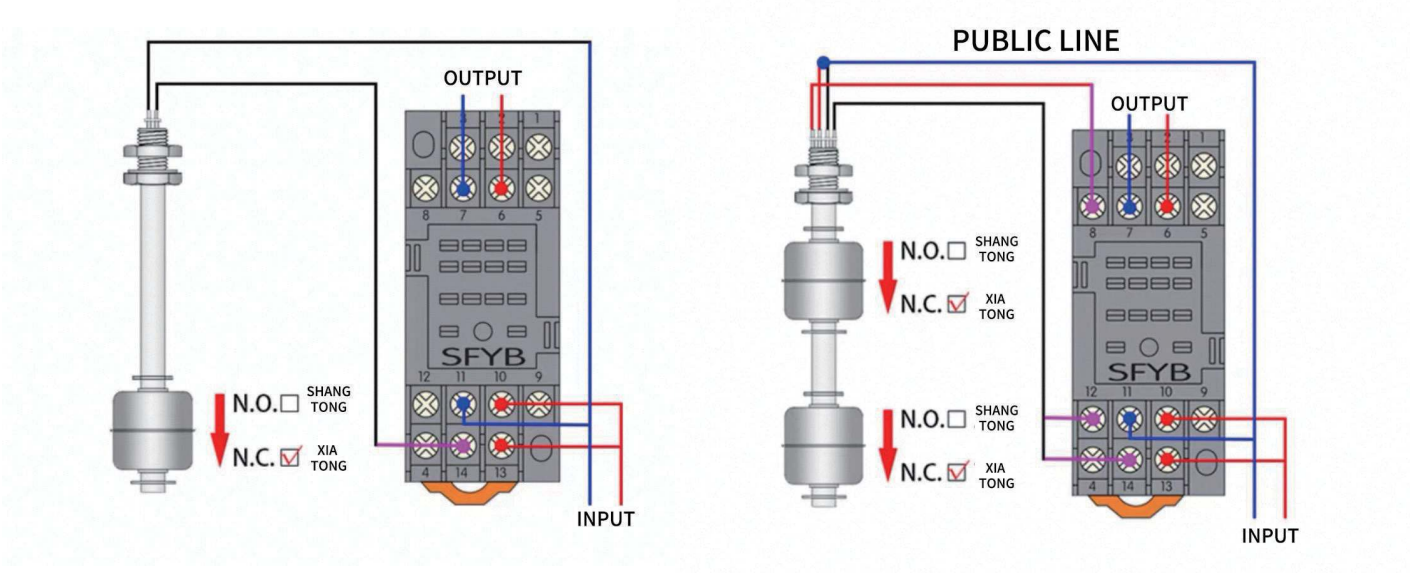
Ordering standard

Rs05				10

Thread G1 = 1

Single ball = 1
Double ball = 2

Customized "L" length = 1

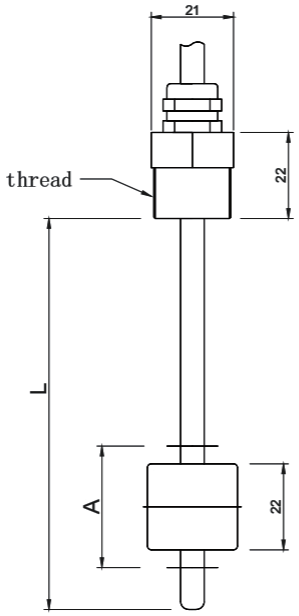


Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction. For more information or to request other versions, please contact us

Level Switch
Type RS05 20

Suitable for industrial working conditions

The liquid level float switch is mainly composed of a magnetic spring switch and a float ball. The float ball contains magnetic material, and one or more magnetic spring switches are installed in a closed non-magnetic metal or plastic tube. Then, the conduit is passed through one or more float balls with magnetic material, and a fixed double ring is used to control the float ball and the magnetic spring switch in the relevant position. As the liquid rises or falls, the float ball uses the contact point near the beginning of the magnetic spring inside the ball to produce on/off actions, which control or indicate the liquid level (when the float ball approaches the magnetic spring switch, it is conductive; when it leaves, the switch is disconnected). The liquid level float switch can be used as a water level sensor for water heating equipment such as water dispensers, water purifiers, water heaters, solar energy, air conditioners, humidifiers, coffee machines, small refrigerators, etc. It is widely used in automobiles, industrial equipment, agricultural equipment, and household appliances.



Features

- All stainless steel series, durable andlong-lasting
- Stainless steel snap ring, moisture resistant
- Fixed positioning can be set arbitrarily
- Sensitive signal and fast response speed
- Not affected by temperature, long lifespan
- High cost-effectiveness, widely used in the liguid measurement industry

Main material	SUS304S
Switching voltage	350Vdc/300Vac-Max.
Switching current	0.7Adc/0.5Aac-MaX
Contact capacity	50W/70VA
Individual specific gravity	>0.7g/cm3
Work pressure	<1.0Mpa
Operating Temperature	-40-125°C
Insulation resistance	10^{10} Q-Min.

Level Switch, type RS05 30

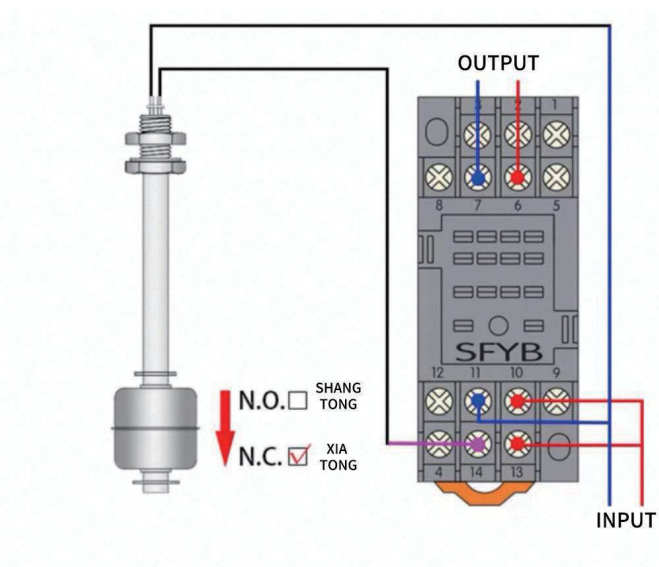
Ordering standard

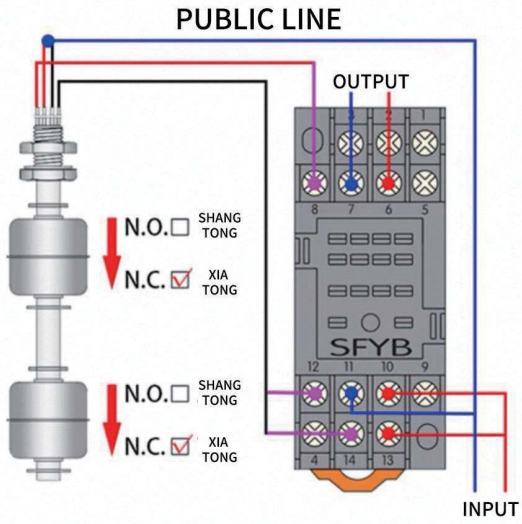
Rs05				30

Thread G1 = 1

Single ball = 1
Double ball = 2

Customized "L" length = 1





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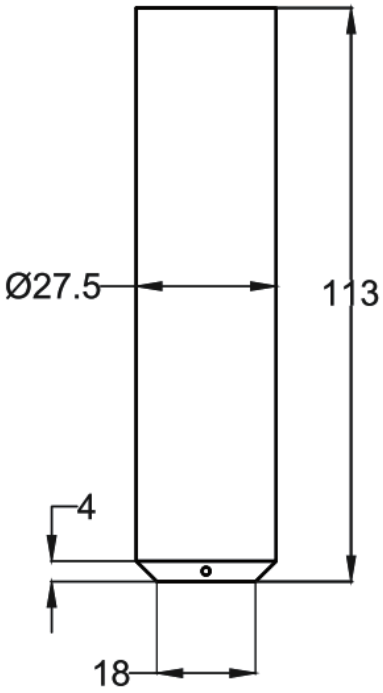
Level Sensor
Type RS05 30

Suitable for industrial working conditions

The input type liquid level sensor works based on the principle that liquid static pressure is proportional to depth, converting pressure signals into standard electrical signals for output. The advantage lies in the wide range (from 0.5 meters to over 100 meters), which can be directly installed Continuous monitoring of liquid level height is required: Input type liquid level sensors or magnetic flap level gauges (with remote transmission function) are preferred The input type liquid level sensor is the most versatile continuous measurement choice and has the widest range



Features

・Core principle: Static pressure measurement
Key features: continuous measurement, large range, easy installation
・Measuring media: water, oil, sewage, light corrosive liquids
・Typical applications: reservoirs, sewage treatment, deep wells, chemical storage tanks
・Measurement range: 0~0.5 meters to 0~100 meters or larger
・Output signal: 4-20mA, RS485
・Accuracy level: Common 0.5 and 0.25 levels
・Protection level: IP68
・Process temperature: -30 °C to 85 °C

Measurement range	1-20 meters
Accuracy class	0.5%F.S.
Stability	0.2% per year
Overload	150%FS
Power supply range	12-32VDC
Output signal	4-20mA/0-10V/0-5V/0.5-4.5V
Ambient temperature	-30~80C
Medium temperature	-10~70°C

Level Sensor, type RS05 30

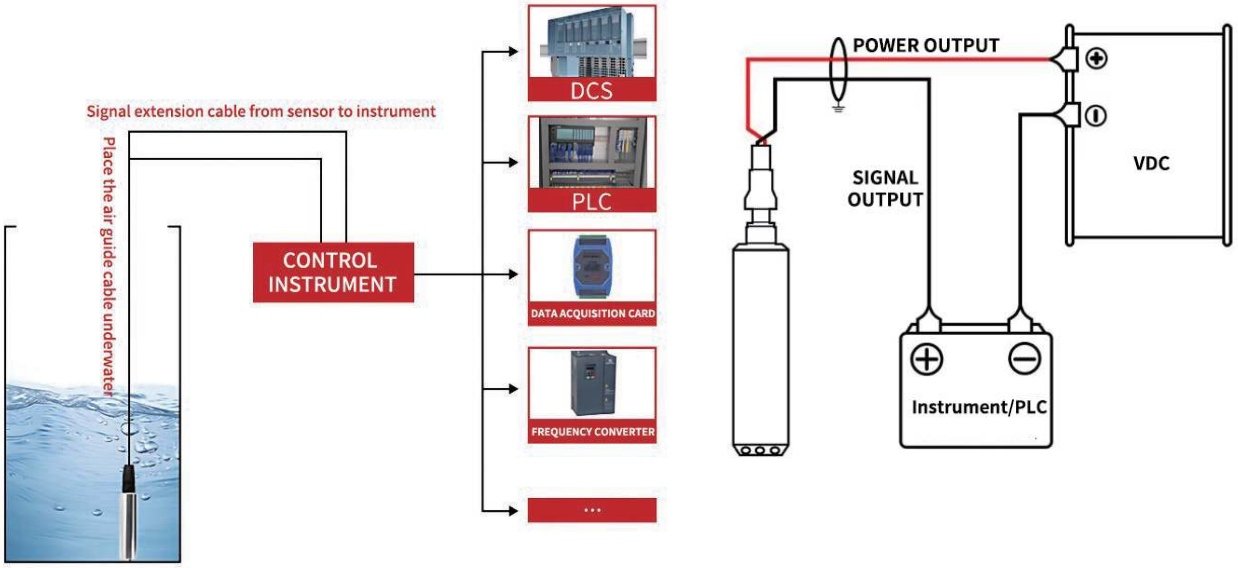
Ordering standard

Rs05			30

Specify range (line length) = 1

4-20mA (24V power supply) = 1
0-10V (24V power supply) = 2
0-5V (24V power supply) = 3

Non-standard combinations are available for selection. However, there may be a minimum order quantity restriction. For more information or to request other versions, please contact us



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