

Main Specifications
▼ Process connection

Material: stainless steel
Welded structure
M20x1.5, G1/2" , G1/4"
1/2" NPT, 1/4" NPT
Other thread type available upon request

▼ Electrical connector

M12x1 5-pin
M12x1 8-pin (for RS485)

▼ Screen display

5-digit OLED high brightness display

▼ Alarm output

2-way PNP
Two sets red LED warning light

▼ Analog output

Current output ▼
4~20mA / 0~20mA
Voltage output ▼
0~5VDC / 0~10VDC

▼ Digital output (option)

RS485

▼ Pressure range

-1...0...1 to 600bar

▼ Pressure type

Gauge pressure /
Absolute pressure

▼ Applicable media

Liquid and gas that compatible with stainless steel

▼ Operating temperature (body)

-30 to 80°C

▼ Storage temperature

-40 to 80°C

▼ Protection level

IP65

Other Specifications
▼ Case

SS304

▼ Power supply

12-30VDC

▼ Pressure unit

Pa / kPa / MPa / psi / bar /
mbar / kg/cm²

▼ Screen resolution

0.0001

▼ Switch type

N.O. / N.C.
(Custom setting available)

▼ Contact rating

Max. 1.0A

▼ Switch operating mode

Hysteresis mode /
Window comparator mode

▼ Response time

<10ms

▼ Switch delay setting

0.00s~1000.0s

▼ Measuring elements

Piezoresistive silicone chip

▼ Refresh rate

≤ 5secs

▼ Accuracy

±1.0%F.S. (Standard)
±0.5%F.S. (Options)

▼ Temperature drift

±0.02%F.S./°C

▼ Stability

±0.3% F.S./year

▼ Vibration resistance

≤10g/10Hz...500Hz

▼ Impact resistance

≤50g/11ms

Digital Pressure Switch

Model: DPS-SPS

Introduction

DPS-SPS digital pressure switch equips 2-way switch alarm output, one analog signal output and OLED display screen, integrating temperature switch, transmitter and field display functions in one. DPS-SPS is suitable for industrial fluid pressure measurement, control and monitor such as cleaning liquid, coolant, hydraulic oil and lubricants.



Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

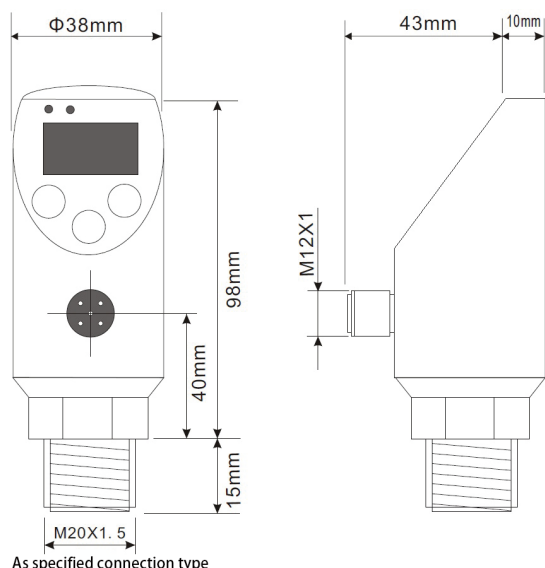
Features

- Integrating pressure switch, transmitter and display functions in one design
- 5-digit OLED high brightness screen display
- 3 large touch buttons with backlight design, user-friendly parameter setting
- 2-way PNP switch output
- Adjustable actuation point, switchable switch mode (normally open / normally closed)
- Various analog outputs available, user-adjustable zero & span value
- RS485 output (option)
- Switchable display mode:
Pipeline pressure value display, max. / min. pressure record, ambient temp. display
- 330° rotatable meter, 180° flip screen
- Pressure measuring range: -0.1...0.1...60MPa
- Protection level IP65

Pressure range

Code	Range
R1	-10...10kPa
R2	-100...100kPa
R3	-1...10bar
R4	-1...100bar
R5	-1...600bar
RO	Specified pressure range

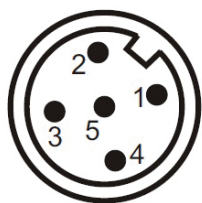
Dimension



As specified connection type

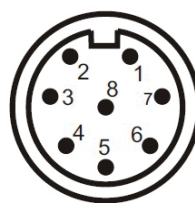
Electrical connector

M12x1 5-pin



- 1 () : VCC (Power +)
- 2 () : K1 (Switch 1)
- 3 () : GND (Power -)
- 4 () : K2 (Switch 2)
- 5 () : AO (Analog output)

M12x1 8-pin



- 1 (Brown): VCC (Power +)
- 2 (White): K1 (Switch 1)
- 3 (Blue): GND (Power -)
- 4 (Pink): K2 (Switch 2)
- 5 (Gray): AO (Analog output)
- 6 (Yellow): A (RS485-A)
- 7 (Green): B (RS485-B)
- 8 (RED): NC

How to order

DPS-SPS Digital Pressure Switch									
Std.	Spec.	Code	Item	Code	Item	Code	Item	Code	Item
4G	Pressure connection	M20	M20x1.5	2G	G1/4"	4G	G1/2"	2N	1/4" NPT
		4N	1/2" NPT	O	Others	-	-	-	-
C5	Electrical connector	C5	M12x1 5-pin	C8	M12x1 8-pin (RS485)	-	-	-	-
A1	Analog output	A1	4~20mA	A2	0~20mA	V1	0~5VDC	V2	0~10VDC
Custom	Pressure range	Please refer to Pressure Range Table and select corresponding code							
10	Accuracy	10	±1.0%F.S.	05	±0.5%F.S.	-	-	-	-
/B	Other requests	/A	Third party notarized document						
		/B	Inspection report (issued by Re-Atlantis)						
		/C	Tag						
		/D	RS485 output						
		/E	Connection material SS316						
		/F	M12x1 connector with waterproof cable (please specify cable length)						
		/G	RS485 output						

Order example: DPS-SPS - 4G - C5 - A1 - R3 - 10 - /B