

## Main Specifications

**Size**  
3"(75.5mm) ,

**Pressure connection**  
Material: SS304L Laser welding 1/4"NPT (standard) 1/4"PT (option) Other thread type available upon request

**Pressure range**  
0...5 to 5000 psi

**Switch alaron output**  
NPN (standard) / PNP (option)

**Analog signal output (option)**  
4-20 mA

**Applicable fluid**  
Liquid and gas that compatible with SS304L

**Ambient temperature**  
-40°C to +60°C

**Fluid temperature**  
-10°C to 60°C

**Ambient humidity**  
95% R.H.

**Atmospheric pressure**  
860...1060 mbar ,

**Temperature error**  
Standard temp.: 22°C  
max. error: ±0.5% F.S (0~50°C)

## Other Specifications

**Ring**  
Anodized aluminum alloy  
Screw fixed

**Case**  
ABS

**Screen display**  
4-digit LCD  
Yellow backlight

**Power supply**  
DC 8-28V  
Recommended voltage: DC 24V

**Refresh rate**  
2 times/sec

**Screen size**  
30\*14.5mm

**Pressure unit**  
Positive pressure:  
(1) Psi, bar, kg/cm2  
(2) Psi, MPa, kg/cm2  
<For negative pressure, the pressure unit should be inHg, mmHg, mbar>

**Resolution**  
0.001

**Measuring elements**  
High-tech silicon chip  
SS 316L diaphragm

**Additional protection (option)**  
Protective rubber case

**Accuracy**  
0.25% (@22°C)  
0.5% (0~50°C)

**Operating pressure**  
Overpressure: 3\* full scale  
Burst pressure: 5\* full scale

**Compensated temperature**  
0°C to 50°C

**Weight**  
270g (exclude protective case)

## Digital Pressure Switch

**Model: DPS-3.0MD**



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

- OEM service
- External power supply (Free power saving).
- Standard: NPN output (PNP output available).
- 4-20mA signal output available (option).
- Pressure measurement range 0...5 to 5000psi.
- Laser welded connection.
- Highest accuracy±0.25%F.S.
- Auto power off design.
- Maximum pressure value record.
- For great protection, rubber case is available to be purchased additionally (option).

## How to order

DPS-3.0MD		Digital Pressure Switch			
<b>Code</b>	<b>Pressure connection</b>				
2N	1/4"NPT (standard)				
2P	1/4"PT (option)				
0	Others (please specify)				
<b>Code</b>	<b>Pressure range</b>				
Custom	0...5 to 5000psi				
<b>Code</b>	<b>Switch alarm output</b>				
NPN	NPN				
PNP	PNP				
<b>Code</b>	<b>Protective rubber case</b>				
X	Exclude				
Y	Included				
<b>Code</b>	<b>Other requests</b>				
/A	Third party notarized document				
/B	Inspection report				
/C	Tag				
/D	Customized dial face (brand, color, etc.)				
/E	Adapt the other kind of thread				
/F	Connection material SS316L				
/G	4-20mA signal output				
/H	24V transformer				
<b>DPS-3.0MD</b>	<b>2N</b>	<b>0...145psi</b>	<b>NPN</b>	<b>Y</b>	<b>Order example: DPS-3.0MD-2P-(0...145psi)-NPN-Y</b>