



# DPS300 Series

## Intelligent Digital Pressure Switch



### Features

- Dial 80 mm with 2xSPDT switches
- Accuracy Class 0.5 of F.S.
- Output 4..20 mA or \*RS485
- Selectable triple unit ranges
- ON/OFF and Zero reset button
- Stainless steel 316 wetted part
- Direct or Panel mounting design
- Anti-electromagnetic interference
- Integrated password function



### Application

DPS Series is a intelligent digital pressure switch with 2xSPDT switches for 2 different set point which can be use to regulate a pressure around set point. Also used as a safety function such as Cut-in or Cut-off an operating system.

Widely applicable for all industries such as automation&control, medical equipment, sewage or water treatment plant, machinery testing system, pump and compressor, hydraulic and pneumatic.



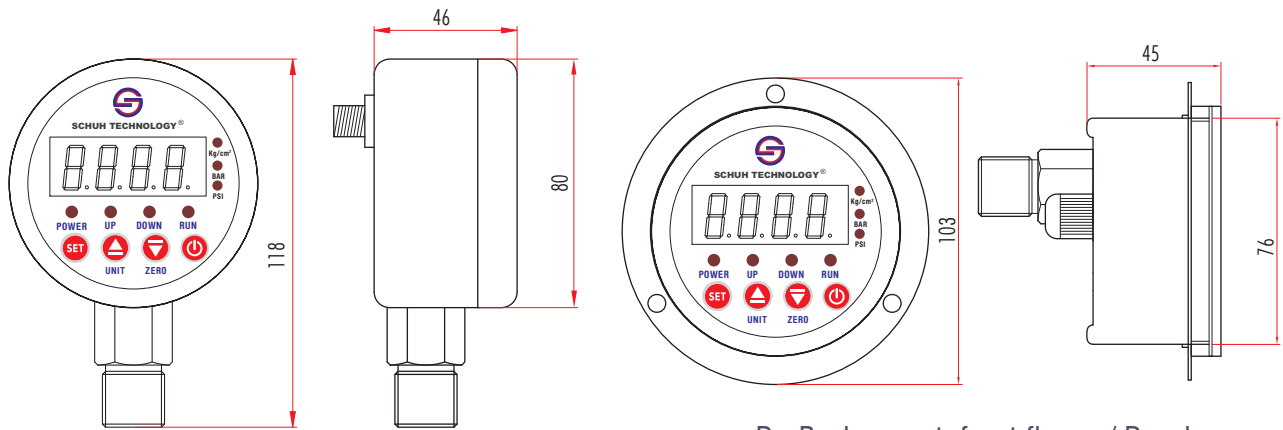
### Technical Specification

- |  |  |   |
|--|--|---|
| <ul style="list-style-type: none"> <li>• Casing Nominal Size<br/>Dial 80 mm, SS 304 case</li> </ul>  | <ul style="list-style-type: none"> <li>• Connection Size<br/>G1/2", G1/4" or NPT, M20x1.5</li> </ul>   | <ul style="list-style-type: none"> <li>• Sampling Frequency<br/>5 times / Sec</li> </ul>  |
| <ul style="list-style-type: none"> <li>• Stability Class<br/>Class 0.5 of F.S./year</li> </ul>   | <ul style="list-style-type: none"> <li>• Adjust Set Point<br/>2 x Different relays output (NO/NC)<br/>Field adjustable feature</li> </ul>                      | <ul style="list-style-type: none"> <li>• Wetted Part<br/>Stainless steel 316</li> </ul>   |
| <ul style="list-style-type: none"> <li>• Digital Display<br/>4 Digit clear LED<br/>On/Off button<br/>Zero reset button<br/>Up &amp; Down with Set button</li> </ul>            | <ul style="list-style-type: none"> <li>• Set Point Range<br/>Setable range 5%..95% of F.S.</li> </ul>  | <ul style="list-style-type: none"> <li>• Over Pressure Limit<br/>150% of Full Scale</li> </ul>                                      |
| <ul style="list-style-type: none"> <li>• Unit Ranges<br/>Selectable Kg/cm<sup>2</sup>, Bar, Psi</li> </ul>   | <ul style="list-style-type: none"> <li>• Electrical Protection<br/>Reverse protection<br/>Anti-electromagnetic interference</li> </ul>                         | <ul style="list-style-type: none"> <li>• Temperature<br/>Operating temp. -20°.. +80°C<br/>Compensation temp. -10°C..70°C</li> </ul> |
| <ul style="list-style-type: none"> <li>• Ingress Protection<br/>IP 65 (Weather tight)</li> </ul>   | <ul style="list-style-type: none"> <li>• Electrical Connection<br/>Plug type with 0.7 meter cable length<br/>Direct cable with 1 meter cable length</li> </ul> | <ul style="list-style-type: none"> <li>• Unit Weight / Nett Weight<br/>0.35 kg</li> </ul>   |
| <ul style="list-style-type: none"> <li>• Scale Range<br/>Low pressure 0..50 to 600 mBar<br/>Pressure 0..1 to 1600 Bar<br/>Vacuum -1 Bar..0<br/>Compound -1..+24 Bar</li> </ul> | <ul style="list-style-type: none"> <li>• Power Supply<br/>24 VDC, 220 VAC or 380 VAC</li> </ul>  | <ul style="list-style-type: none"> <li>• Mounting<br/>Direct threaded<br/>Panel mount</li> </ul>                                    |
|  | <ul style="list-style-type: none"> <li>• Alarm Load Capacity<br/>380 VAC 3A or 220 VAC 3A or 24 VDC 3A</li> </ul>  |   |





## Technical Drawing



D - Bottom / Direct mount

P - Back mount, front flange / Panel



## Ordering Code

DPS300 <Press. range><sup>①</sup> Electrical<sup>②</sup> - Mounting<sup>③</sup> - Output<sup>④</sup> - Connection<sup>⑤</sup> - Power Supply<sup>⑥</sup>

① Bar or kg/cm2		Psi
Low Pressure	Pressure Range	
0..0.05	-1.. 0	-15.. 0
0.. 0.1	-1.. 0.6	-15.. 10
0.. 0.16	-1.. 1.5	-15.. 15
0.. 0.25	-1.. 3	-15.. 30
0.. 0.4	-1.. 5	-15.. 60
0.. 0.6	-1.. 9	-15..150
	-1.. 15	-15..200
	-1.. 24	-15..300
	0.. 1	0.. 15
	0.. 1.6	0.. 20
	0.. 2.5	0.. 30
	0.. 4	0.. 60
	0.. 6	
	0.. 7	0.. 100
	0.. 10	0.. 150
	0.. 16	0.. 200
	0.. 25	0.. 300
	0.. 40	0.. 600
	0.. 60	
	0.. 70	0.. 1000
	0.. 100	0.. 1500
	0.. 160	0.. 2000
	0.. 250	0.. 3000
	0.. 400	0.. 6000
	0.. 600	
	0.. 700	
	0.. 1000	
	0.. 1600	

② Electrical Connection	
8	Plug type with 0.7 meter cable
9	Direct cable type with 1 meter cable

③ Mounting	
D	Bottom / Direct mount
P	Back mount, front flange / Panel

④ Signal Output	
0	No Output
S	4..20 mA
R	RS485

⑤ Connection Size	
N4	¼"NPT
N2	½"NPT
G4	¼"BSP
G2	½"BSP
M2	M20 x 1.5

⑥ Power Supply	
S	24 VDC
2	220 VAC
3	380 VAC