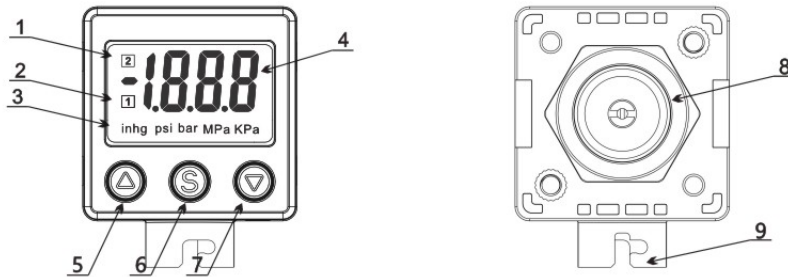


DPS-5 Series (Anti-corrsion)

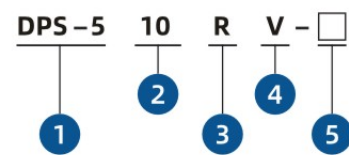
PANEL



No	Name
1	Output indicator
2	Output indicator
3	Pressure unit
4	Main display section
5	Up button
6	Section button
7	Down button
8	Pressure port
9	Electric interface

SPECIFICATION

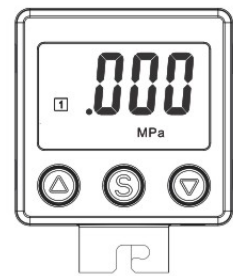
Model		DPS-501	DPS-510	DPS-520
Pressure measure	Range Of Measure	-100KPa~100KPa	-0.1MPa~1MPa	-0.1MPa~2MPa
	Setting Range	-100KPa~100KPa	-0.1MPa~1MPa	-0.1MPa~2MPa
	Withstand Pressure	300KPa	3MPa	
	Pressure Type	Any flow which do not react with sus316L		
	Measure Accuracy	≤±2%F.S.(ambient temperature 25℃)		
	Temperature Error	≤±3%F.S. (temperature range 0~ 50℃)		
	Measure Pattern	Easy Mode		
		Hysteresis model		
indow mode.				
Port size		Male thread R1/4, NPT1/4, G1/4, female thread M5		
Display	Status Display	LCD, 4-digit measurement value, unit display, output status display		
	Display Model	Adjustable backlight, 4 groups of display modes		
Input Power	Voltage Range	12~24VDC ±10%		
	Power Comsuption	40mA max(non-load)		
Output Signal	Transistor Output	NPN open-collector output Output current :80mA MAX Voltage drop : ≤1V	PNP open-collector output Output current :80mA MAX Voltage drop : ≤1V	
	Analog Output	Voltage output Signal ampliude:1~5V Load resistance ≥1KΩ	Current output Signal ampliude:4~20mA Load resistance ≤400Ω	
	Response Time	Adjustable : 2.5ms、 20ms、 100ms、 500ms、 1000ms、 1500ms		
	Short-circuit Protecdition	Yes		
Environmetal Resistance	Ip Class	IP65		
	Ambient Temperature	Operating temperature 0~50℃ ,storage temperature -20~60℃		
	Ambient Humidity	Operating humidity 35~ 80%RH		
	Insulation Voltage	1000VAC 1min		
	Insulation Resistance	≥50mΩ(500VDC)		
	Shock	Max100m/s²,3time seach in 6 directions of x,y,z		
	Vibration	Amplitude 1.5mm, 10HZ~ 500HZ, 2 hours each direction of x,y,z		

 ORDERING CODE

- 1. DPS-5 Series**
 - 2. Range**
 - 10: -100~1000kpa
 - 20: -100~2000kpa
 - 01: -100~100kpa
 - 3. Port**
 - R: R1/4" (M5 female thread)
 - N: NPT1/4" (M5 female thread)
 - G: G1/4" (M5 female thread)
 - 4. Output**
 - V: 2*NPN+Analog 1~5V
 - W: 2*PNP+Analog 1~5V
 - A: 2*NPN+Analog 4~20mA
 - B: 2*PNP+Analog 4~20mA
 - 5. Mounting**
 - M: Panel
 - N: Panel+shield
 - Z: L bracket
 - S: S bracket

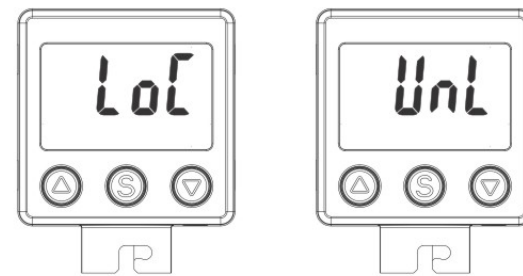
 QUICK SETTING

- Zero point setting



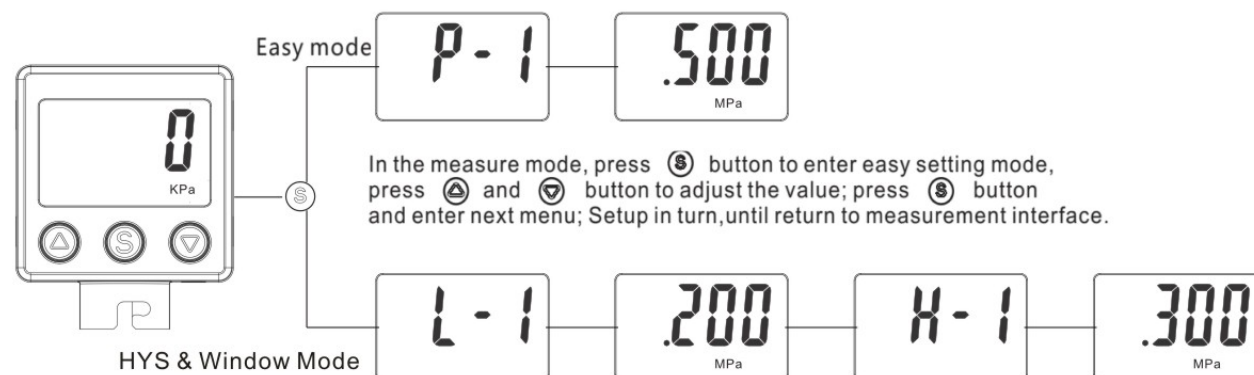
In the measure mode, press  +  button at the same time, until display "0", release the button;
PS: reset range: $\pm 10\%$ F.S.

- key lock and unlock

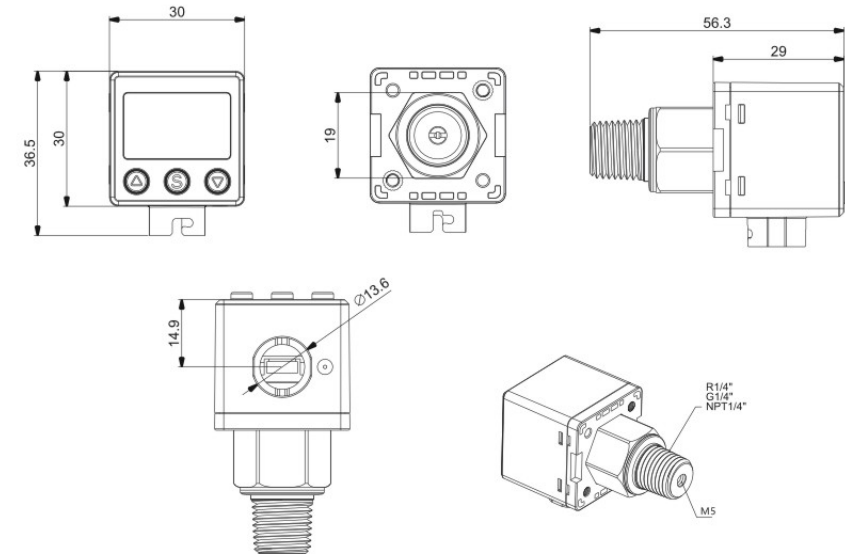


Lock: in the measure mode, press
 (A) + (S) + (V) button at the same time until
 "LOCK ON" shown, release the buttons;
 Unlock: in the measure mode, press
 (A) + (S) + (V) button at the same time until
 "LOCK OFF" shown, release the buttons.

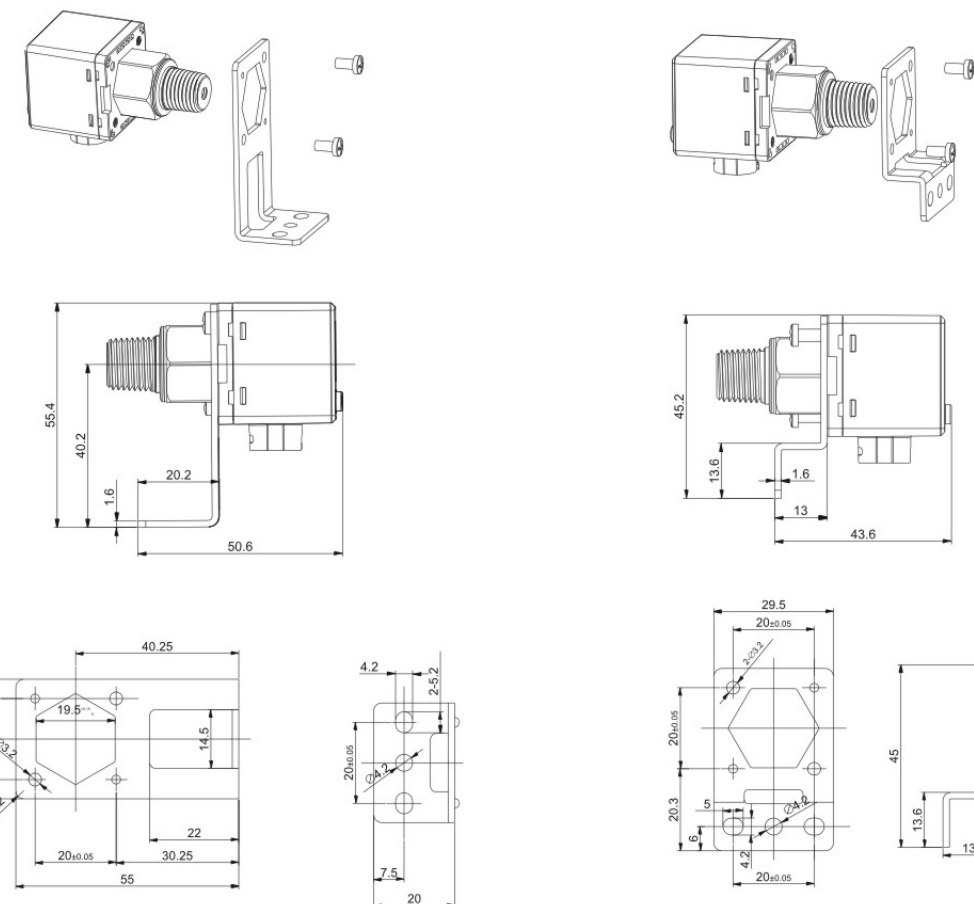
- **Easy setup**

 **MOUNTING DIMENSIONS(mm)**

Overall dimension& connection port

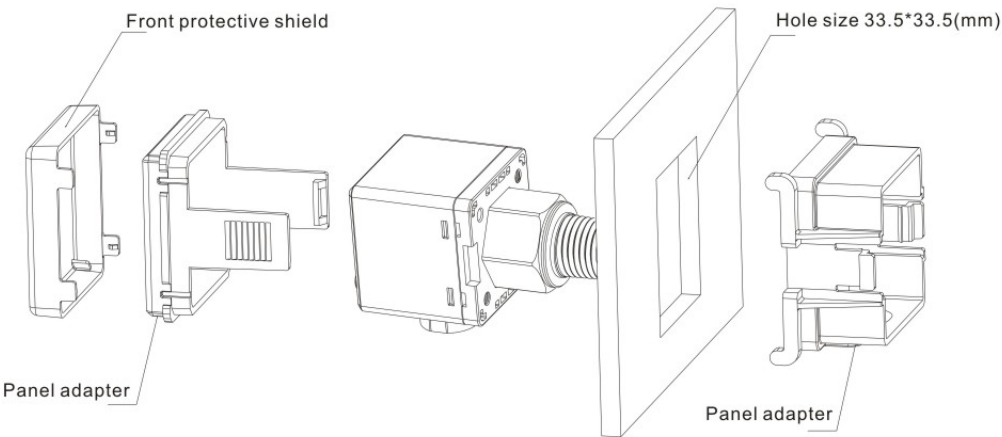


Mounting bracket

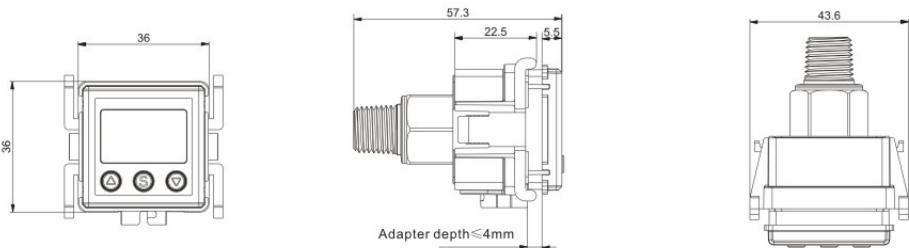


DPS series digital pressure switch

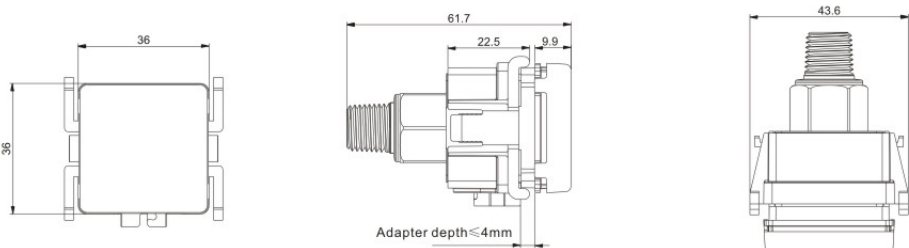
Panel bracket



Panel mount



Add dust cover installation



wire dimension

