DPS–3 Series (Anti–corrsion)

⊙ PANEL


| 序号	名称
1	Locking indicator
2	Ouput indicator
3	Pressure unit
4	Main display section
5	Up button
6	Setting button
7	Down button
8	Electric interface
9	Pressure port

⚙ SPECIFICATION

| Model		DPS-301(Compound)	DPS-310(Positive)
Pressure measure	Range Of Measure	-100kPa~100kPa	-0.100MPa~1.000MPa
	Setting Range	-100kPa~100kPa	0.000MPa~1.000MPa
	Withstand Pressure	500kPa	1.500MPa
	Pressure Type	Non-flammable ,Non-positive gas, Gauge pressure measurement	
	Measure Accuracy	≤±2%f.s.(ambient temperature 25°c)	
	Temperature Error	≤±3%f.s. (t emperature range 0~ 50°c)	
	Measure Pattern	Hysteresis mode	
		Single point mode	
		Window mode	
Port size		External R1/8、NPT1/8、G1/8 option , internal thread M5	
Display	Status Display	LCD display,4-digital measurement value ,unit display ,output status display	
	Display Model	Adjustable backlight ,4 groups of dispaly models	
Input Power	Voltage Range	12~24vdc ±10%	
	Power Comsuption	40ma max(non-load)	
Output Signal	Transistor Output	NPN open-collector ouput Output current :80ma max Voltage drop : ≤1v	PNP open-collector ouput Output current :80ma max Voltage drop : ≤1v
	Response Time	Adjustable : 2.5ms、 20ms、 100ms、 500ms、 1000ms、 2000ms	
	Short-circuit Protecdtion	Yes	
Environmetal Resistance	Ip Class	Ip65	
	Ambient Temperature	Operating temperature 0~50°c ,storage temperature -20~60°c	
	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	A mplitude 1.5mm, 10hz~ 500hz, 2 hours each direction of x,y,z	

ORDERING CODE

DPS−3 10 R X − ☐
① ② ③ ④ ⑤
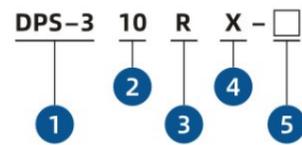
1. DPS-3 Series

2. Range
10:-100~1000kPa
01:-100~100kPa
16: 0~1600kPa

3. Port
R: R1/8(M5 female thread)
N: NPT1/8 (M5 female thread)
G: G1/8 (M5 female thread)

4. Output
X:NPN+PNP
Explanation 1: Product single-channel setting,
Optional NPN or PNP output channel,
the black wire is
NPN and the white wire is PNP

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:+/-10%F.S.

● **key lock and unlock**
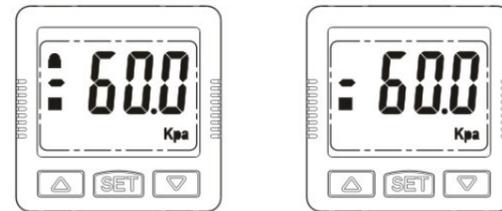
Lock: in the measure mode, press △ + SET + ▽ button at the same time until "LOCK ON" shown,release the buttons;
Unlock: in the measure mode, press △ + SET + ▽ button at the same time unitl "LOCK OFF" shown,release the buttons.

● **Easy setup**

Easy mode

In the measure mode, press SET button to enter easy setting mode,
press △ and ▽ button to adjust the value; press SET button
and enter next menu; Setup in turn,until return to measurement interface.

HYS & Window Mode
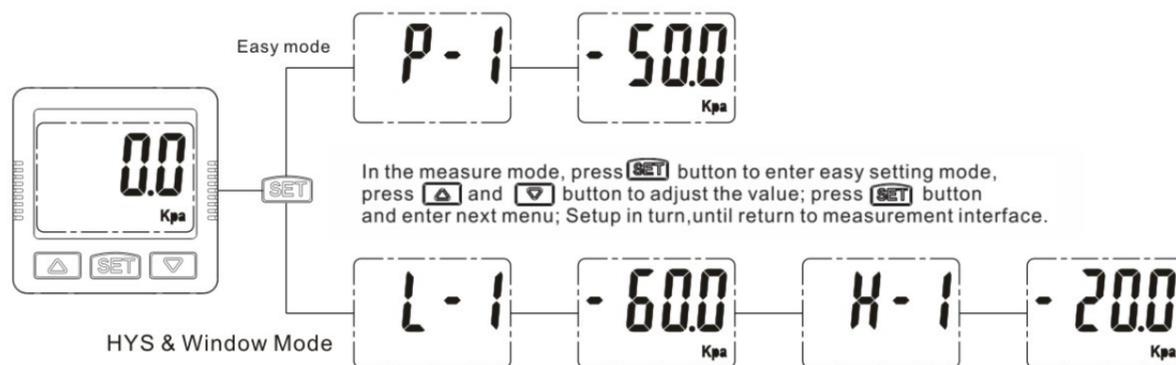
MOUNTING DIMENSIONS(mm)

Mounting dimensions(mm)

R1/8"   NPT1/8"   G1/8"
M5X0.8   M5X0.8   M5X0.8
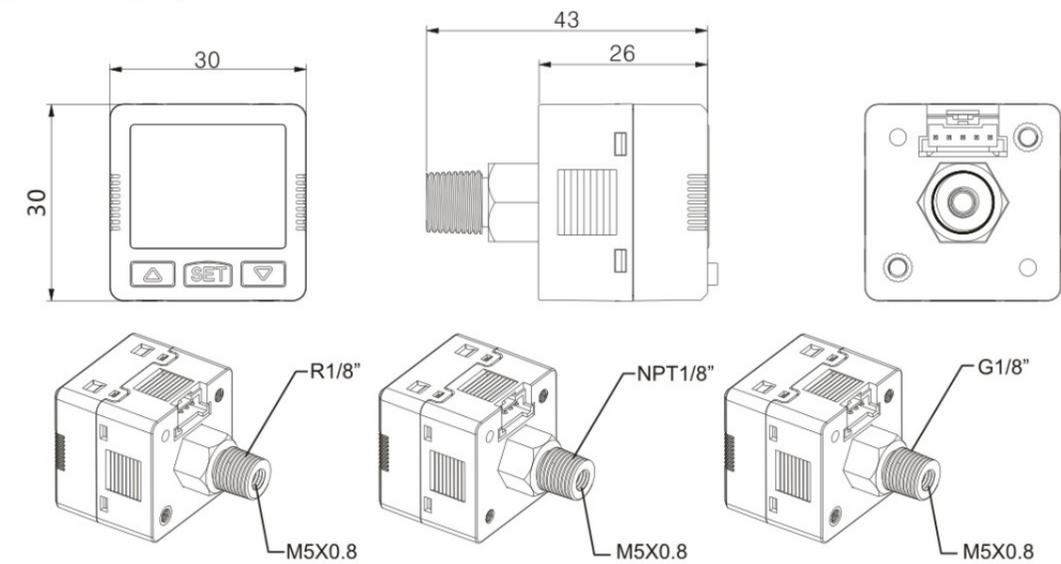
Mounting Bracket
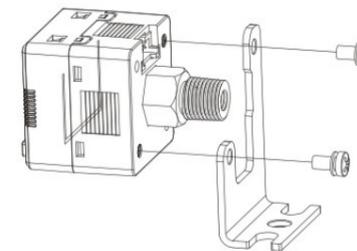
L bracket   S bracket
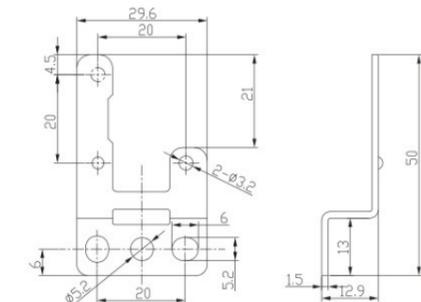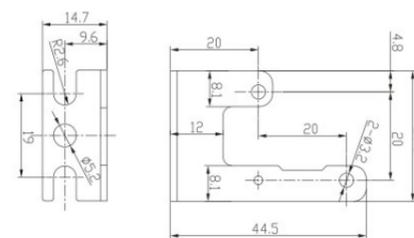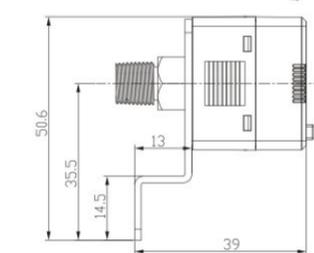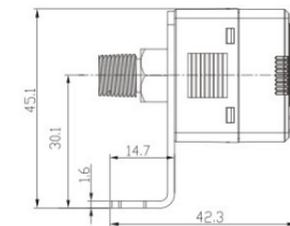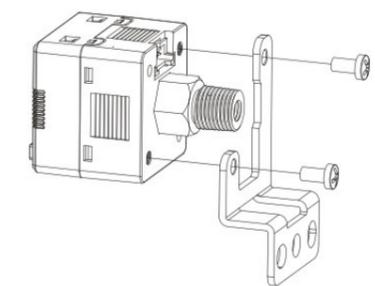
DPS series digital pressure switch

Panel bracket

Front protective shield

Panel adapter

Hole size 31*31(mm)

Panel adapter

Panel mount

33.7

41.4

44.2

16.3   8.9

Adapter depth≤6mm
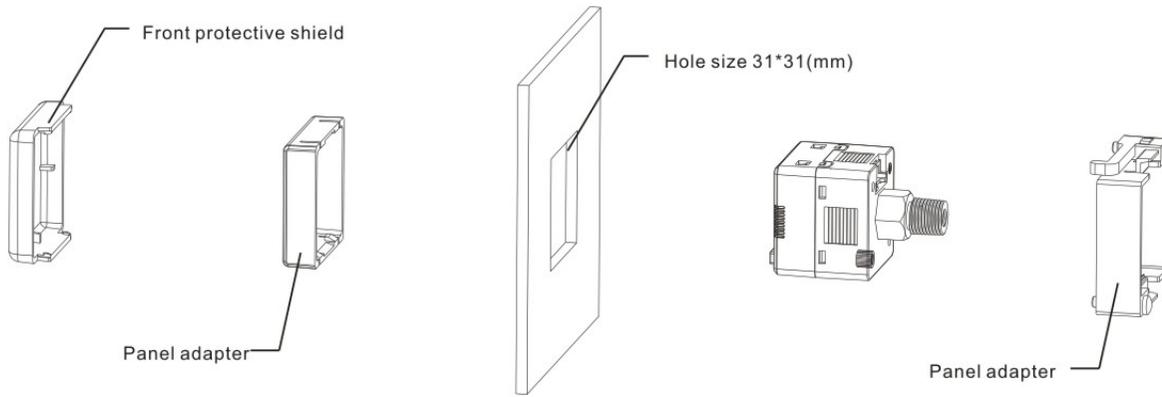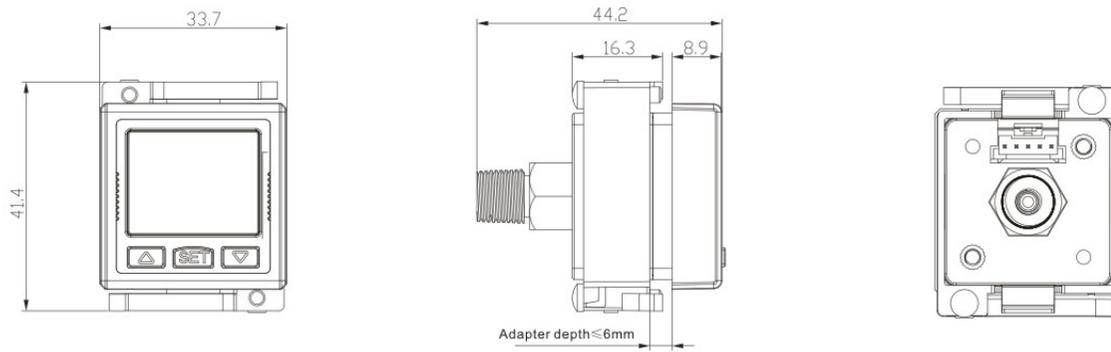
Add dust cover installation

36.6

41.4

36.6

48.8

16.3   13.6

36

Adapter depth≤6mm

Wire dimension

2000

Φ4