

Main Specifications

▼ **Size**
2.5" / 4"

▼ **Installation type**
Panel mount

▼ **Connection**
Material: SS316L
Welded structure
M20*1.5, M14*1.5,
G1/2" , G3/8" , G1/4" ,
1/2" NPT, 1/4" NPT
Other specifications are
available upon request

▼ **Electrical connector**
8-pin aviation plug with cable

▼ **Screen display**
4-digit LED display

▼ **Alarm output**
Relayx4 / PNP / NPN

▼ **Analog signal output**
4-20mA / 1-5V / 0-5V / 0-10V

▼ **Digital output (option)**
RS232 / RS485

▼ **Pressure type**
Gauge pressure /
Absolute pressure /
Sealed pressure

▼ **Pressure range**
0 to 600bar

▼ **Operating temperature**
-20...85°C

▼ **Storage temperature**
-20...125°C

▼ **Protection level**
IP65

Other Specifications

▼ **Case**
SS304

▼ **Power supply**
Standard: 24VDC / 220VAC

▼ **Contact rating**
Max. 30V / 3A, 240V / 3A

▼ **Pressure unit**
kPa / MPa / kg/cm², bar, psi

▼ **Measuring elements**
Piezoresistive silicon +
isolated diaphragm

▼ **Accuracy (Including non-linearity, hysteresis and repeatability errors)**
±0.5%F.S. (Standard)
±0.25% F.S. (Option)
±0.1% F.S. (Option)

▼ **Insulation resistance**
Min: 1MΩ@250VDC&25°C

▼ **Stability**
±0.1% F.S.

▼ **Thermal zero & full span temperature drift**
±1.0% F.S.

▼ **Operating pressure**
Overpressure ▼
3* F.S.
Burst pressure ▼
4* F.S.

▼ **Shockproof**
100g, 11msec

▼ **Weight**
Max. 350g

LED Intelligent Pressure Switch

Model: SDPS-4ED(0.5)

Introduction

SDPS-4ED(0.5) intelligent pressure switch combines pressure measurement, display, and control in one, adopts high quality piezoresistive silicon and isolated diaphragm as measuring elements. SDPS-4ED(0.5) has a variety of setting functions and easy to calibrate, suitable for pressure measurement, display and control in power plants, water, petroleum, chemical, engineering and other industrial environments.



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

- Combines pressure measurement, display, and control in one
- 4-digit LED screen display
- Various alarm output available:
Relayx4 / PNP / NPN
- Adjustable upper and lower set point
- Various analog output available:
4-20mA / 1-5V / 0-5V / 0-10V
- Digital output RS485 (Option)
- SS304 case, SS316L connection
- Standard accuracy: 0.5%, max. accuracy 0.1%
- Protection level: IP65

How to order

SDPS-4ED(0.5) LED Intelligent Pressure Switch									
Std.	Spec.	Code	Item	Code	Item	Code	Item	Code	Item
40	Size	25	2.5"	40	4"	-	-	-	-
4G	Process connection	M1	M20*1.5	M2	M14*1.5	4G	G1/2"	3G	G3/8"
		2G	G1/4"	4N	1/2" NPT	2N	1/4" NPT	O	Others
Custom	Pressure range	0...1 to 600bar							
A	Electrical connector	A	8-pin aviation plug with cable	O	Others	-	-	-	-
A1	Analog output	A1	4-20mA	V1	1-5V	V2	0-5V	V3	0-10V
N	Alarm output	R	Relayx2	P	PNP	N	NPN	-	-
05	Accuracy	05	±0.5%F.S.	025	±0.25% F.S.	01	±0.1% F.S.	-	-
/B	Other requests	/A	Third party notarized documents						
		/B	Inspection report						
		/C	Tag						
		/D	RS485 output						

Order example: SDPS-4ED(0.5) - 40- 4G - (0-300bar) - A - A1 - N - 05 - /B