



Electronic Digital Pressure Switch Sensor

KL-DPS Series



Features

- ◆ Diffusion silicon pressure transmitter
- ◆ ON/OFF Output
- ◆ Display can rotate 330°
- ◆ Temperature compensated

Product Description

The KL-DPS series electronic pressure meter utilizes a high precision diffusion silicon wafer to ensure high accuracy and durability of the sensors. The meter comes with a LED digital display of the real time pressure, set menu, switch NPN function analogue start and end function, output and save function. PLC can read output directly. M12 connection with easy install and disassemble. This meter can output a switch signal and analogue output, thus it can be used as a pressure switch or a pressure transducer.

Specification

KL-DPS Series			
Power Supply	12...30Vdc	Power Consumption	Max. 30mA, 24Vdc Power Supply
Output Type	NPN	S1.S2 Output Current	<500mA Response Time <10ms
Switch Sccuracy	$\leq \pm 0.5\%$ F.S.	Current Output Accuracy	$\leq \pm 0.5\%$ F.S.
Linearity	$\leq 0.5\%$ F.S.	Output Signal	4...20mA
RA	$\leq 0.5K$ Ohm	Wiring Protection	Reverse Polarity / Overload / Short Circuit Protection
Display	Red 4-bit 8mm High brightness LED	Stability(Drift/annual)	$\leq \pm 0.3\%$ F.S.
Display Range	999...9999	Protection	IP56
Fluid Temp.	-20...85°C	Ambient Temp.	-20...80°C
Casing Material	Engineering-plastics	Body Material	Stainless Steel 304
Wet Material	Stainless steel 304	Wiring	M12x1 connection
Port	G1/4" M		



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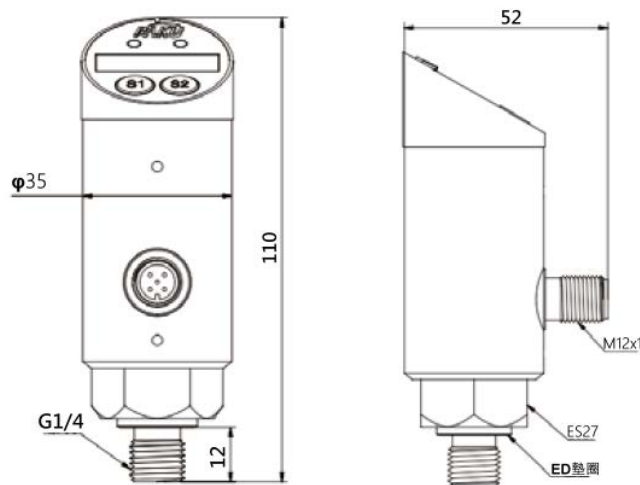
KL-DPS Series

Ordering Code

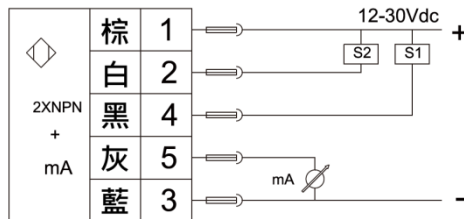
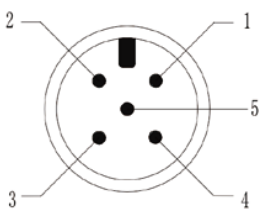
KL-DPS – N – 12 – G4 – E

①	Output Type	
	N	NPN
②	Pressure Range	
	12	12bar
	35	35bar
	50	50bar
③	Port	
	G4	G1/4" M
④	Output Signal	
	E	2 Switch + Analogue Output 4-20mA

Overall Dimension



Wiring Description



No.	Color	Function
1	Brown	Power DC24V
2	White	Switch S2
3	Blue	GND
4	Black	Switch S1
5	Grey	4-20 mA