



### principle and characteristics

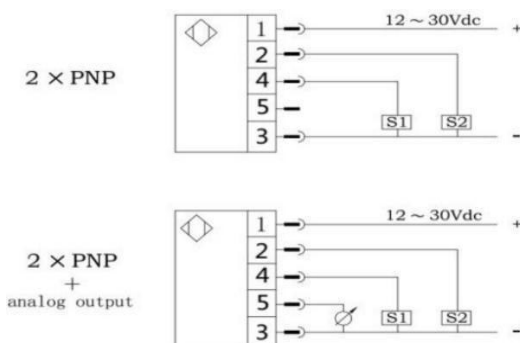
The PN65D adopts diffused silicon sensor for pressure measurement, and the signal is processed by the post-processing circuit and converted into standard industrial electrical signal output and display.

Full metal housing design, with highlighted LED digital display, so that the series can be used in a variety of industrial applications. Double key design and menu make the product more convenient to use, a variety of connection methods can fully meet a variety of specific installation needs.

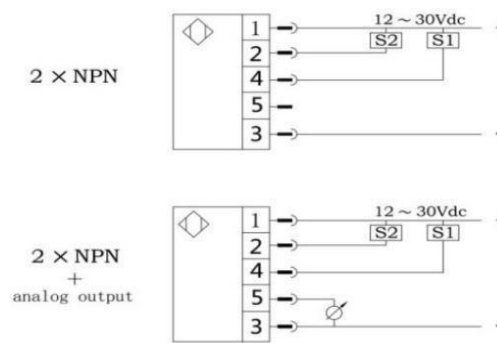
### technical specification

- ◆ Power supply voltage: 12... 30Vdc
- ◆ No-load current consumption: maximum 30mA, 24VDC power supply
- ◆ switched output
  - Output type: PNP, NPN optional normally open normally closed can be set
  - S1, S2 Output current: <500mA Response time <10ms
  - Switching accuracy:  $\leq \pm 0.5\%$  range
  - Current type analog output:  $\leq \pm 0.5\%$  range
  - Output type: 4... Can be set to 20 ma
- ◆ load RA: 0.5 KOhm or less
- ◆ Linearity:  $\leq 0.5\%$  range
- ◆ Wiring protection: reverse phase, overload, short circuit protection
- ◆ display: Design: Red 4-bit 8mm high brightness LED display range: 999... 9999
- ◆ Accuracy:  $\leq \pm 0.5\%$  range
- ◆ Stability (annual drift) :  $\leq \pm 0.3\%$  range
- ◆ temperature: medium temperature:  $-20...85^{\circ}\text{C}$   
environment temperature:  $-20...80^{\circ}\text{C}$   
storage temperature:  $-30...80^{\circ}\text{C}$
- ◆ materials: Nod case: aluminum alloy  
Shell: 304 stainless steel  
Medium contact part: stainless steel 304
- ◆ Protection grade: IP67
- ◆ Outgoing way: wiring terminal

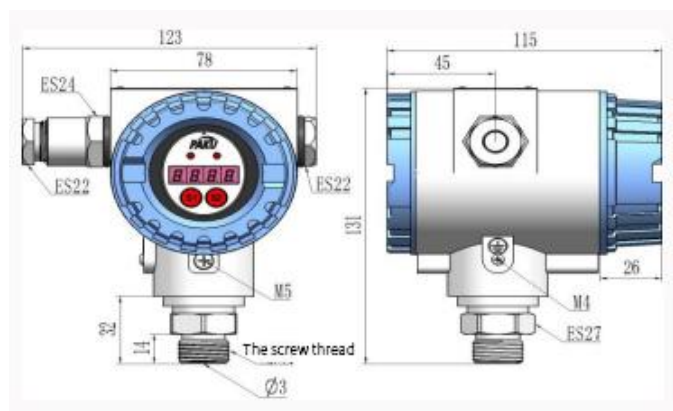
Wiring Diagram 1. (PNP Output)



Wiring Diagram 2. (NPN output)



dimension figure



Selection table

PN65D-	P	Z	A	G4	H	D	B	specification
PN65D-								PN65D series explosion-proof electronic digital display pressure sensor
	P							PNP output
	N							NPN output
		Z						positive pressure
		F						negative pressure
			A					Setting range: -1.. 1 bar or 0.. 1bar
			B					Setting range: -1.. 2 bar or 0.. 2bar
			C					Setting range: -1.. 5 bar or 0.. 5bar
			D					Set range: 0.. 10bar
			E					Set range: 0.. 25bar
			F					Set range: 0.. 100bar
			G					Set range: 0.. 160bar
			H					Set range: 0.. 250bar
			I					Set range: 0.. 400bar
			J					Set range: 0.. 600bar
			K					Custom range, such as 300bar, Selection: K300
				G4				Interface thread: G1/4
				G2				Interface thread: G1/2
				K5				Chuck connection (outside diameter 50.5mm)
								Custom thread
					H			external thread
					K			internal thread
						A		1 switch output
						B		2 switches output
						C		1 analog quantity 4-20mA output
						D		1 switch +1 analog 4-20mA output
						E		2 switching quantities +1 analog quantities 4-20mA output
						F		2 switching quantities +1 analog quantities 1-5V output
							B	No damper, no heat sink
							Z	Damper (optional)
							S	Heat sink (optional)

\* The type selection table is only for technical selection, and the corresponding type of the factory model is reflected by the code.