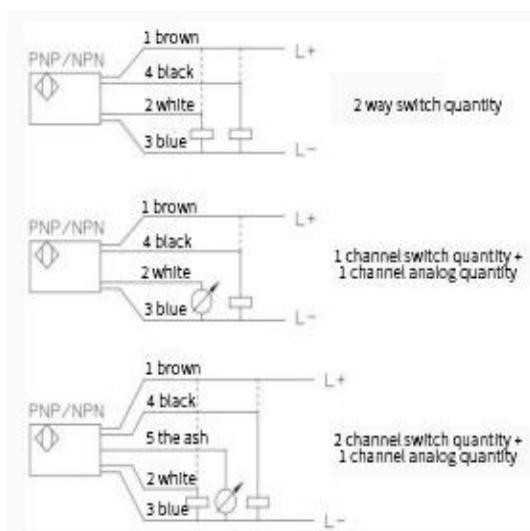


wiring
diagram



application

Pneumatic-liquid dual purpose, suitable for: pump control, tank detection, liquid level control, filter blocking, monitoring, leak monitoring, can also be widely used in hydraulic and pneumatic occasions, such as mechanical equipment and process control.

principle and characteristics

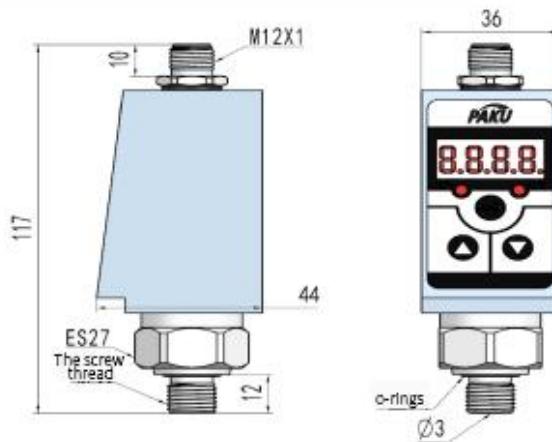
The PN65 series of electronic pressure sensors adopt a high-precision diffused silicon core to ensure the high precision and durability of the sensor. With on-site display, LED digital display for on-site pressure or Settings menu.

Maximum measuring range: -1... 600bar, digital LED display pressure value and switch status, menu set switch point, analog quantity start, end point, output function, storage function and display function, so the setting does not need to be completed in the field. With high reliability, the output can be directly connected for PLC. M12 lock type connector, easy to disassemble, high protection level. Positive or negative pressure can be measured. The sensor can be used as either a pressure switch or a pressure transmitter because it has both a switching output and an analog output.

technical specification

- ◆ Range: See the selection table for details
- ◆ Process Capability: See the table below
- ◆ Switch output: set range 0.5%... 100% range
- ◆ accuracy 0.5% range
- ◆ Number of switches 1 or 2 optional
- ◆ output function PNP; NPN normally open or normally closed can set the rated current $\leq 300\text{mA}$
- ◆ Response time $\leq 30\text{ms}$
- ◆ Analog output: Output type 4... 20mA analog output load $\leq 500\text{\Omega}$
- ◆ Accuracy 0.5%
- ◆ Repeatability: 0.5% range
- ◆ display: red 9mmLED,
- ◆ range – 999... 9999
- ◆ Power: 15... 30VDC
- ◆ Electrical protection: anti-pole, overload, short circuit protection
- ◆ Ambient temperature: -20... 80 °C
- ◆ medium temperature: -30... 100 °C
- ◆ Storage temperature: -40... 100 °C
- ◆ Temperature effect: $< \pm 0.03\%\text{FS/K}$
- ◆ Protection grade: IP67
- ◆ Process connection: stainless steel +NBR seal
- ◆ Shell material: zinc alloy
- ◆ Electrical connection: M12 x 1 core connector
- ◆ M12 x 1 core connector

dimension figure



Selection table

PN65-	P	Z	A	G4	H	D	Q	B	specification
PN65-									PN65 series digital display intelligent
	P								PNPoutput
	N								NPNoutput
		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
									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			1 switching quantity +1 analog quantity 1–5V output
							Q		M12*1 connector (standard with 2 meters wire)
								B	No damper, no heat sink
								Z	Damper (optional)
								S	Heat sink (optional)
								A	M3 with mounting hole

* The selection table is only available for parameter selection, and the corresponding code is delivered.