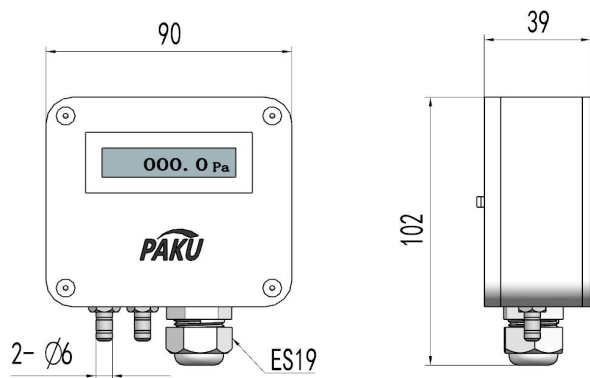




dimension figure



principle and characteristics

The PN51D series differential pressure sensors/transmitters detect differential or gauge pressure and convert this pressure value into a proportional electrical output for intelligent building energy management systems to measure the precise pressure and flow required for building pressurization and air flow control. The pressure value can be set on the spot by the built-in dialing switch of PN51D series products.

- ◆ range: 0 ~ ± 10Pa/ 0 ~ ± 10,000Pa
- ◆ accuracy: ± 1.0%
- ◆ Various pressure units can be switched
- ◆ LCD backlit digital display or no display
- ◆ Start automatic zero calibration
- ◆ Response time can be adjusted on site by the built-in code switch (0.5s ~4S)
- ◆ Manual key differential pressure zero calibration
- ◆ Adopt imported micro pressing core
- ◆ Rotating mode is fixed on the mounting back plate (the mounting plate and the host machine are separated, so that step-by-step installation can be implemented)

technical specification

range	(1) : -1,000 ~+ 1,000Pa minimum can set 0 ~+ 100Pa (2) : -10,000 ~+ 10,000Pa minimum can set 0 ~+ 1000Pa (3) : -100 ~+ 100Pa minimum can set 0 ~+ 10Pa
accuracy	± 1.0%
pressure unit	Pa, mm H ₂ O, mbar, in WC, mm HG, da Pa, KPa, h Pa
output signal	0~ 5VDC, 0~10VDC, 4~20mA, RS-485 signal (two-wire, three-wire output, Simultaneous use of analog signals; RS-485 type only has RS-485 signal output)
power supply	Two sets of output at the same time, the input voltage is 16~30VAC/VDC; 24VDC adapter (3.5 x 1.35 mm) for power supply; 4 ~ 20 mA (two-wire system) output, input voltage of 12 ~ 30 VDC for non-polar ①; 0 ~ 5 V/ 10 VDC output, input voltage 16 ~ 30 VAC/ VDC; RS-485 output, input voltage is 12 ~ 30 VAC/ VDC
power dissipation	≤ 1.5W
① Non polarity: input voltage source is not divided between positive and negative poles	

Selection table

PN51D-	A	1	B	1	specification
PN51D-					PN51D series micro differential pressure sensor
	A				LCD display monitor
	B				There is no display
		1			Range: 1000... 1000Pa
		2			Range: 10000... 10000Pa
		3			Range: 100... 100Pa
			B		4~20mA (two-wire system)
			C		0~10VDC (three-wire system)
			D		0~5VDC (three-wire system)
			E		RS485 communication
				1	± 1.0%FS

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