

principle and characteristics

PN30D series adopts high performance voltage sensing chip, with advanced circuit processing and temperature compensation technology, to convert pressure changes into linear current or voltage signals. The product has HATR communication, RS485 communication and self-interrupting function, the user uses the handheld terminal or the field bus system to transmit, read, display and input all the working information and additional information of the transmitter for a long distance. It can be used to delete gauge pressure, negative pressure and absolute pressure.

- ◆ ASIC and Surface Packaging Technology
- ◆ 316L stainless steel diaphragm construction
- ◆ has reverse polarity and current limiting protection
- ◆ Laser resistance temperature compensation, zero position adjustable
- ◆ Anti-vibration, anti-impact, anti-RF interference
- ◆ Overload anti-jamming ability, economic stability, practicability
- ◆ range for corrosion resistance, suitable for many cases media
- ◆ can be equipped with analog and digital display header
- ◆ 2088 head housing

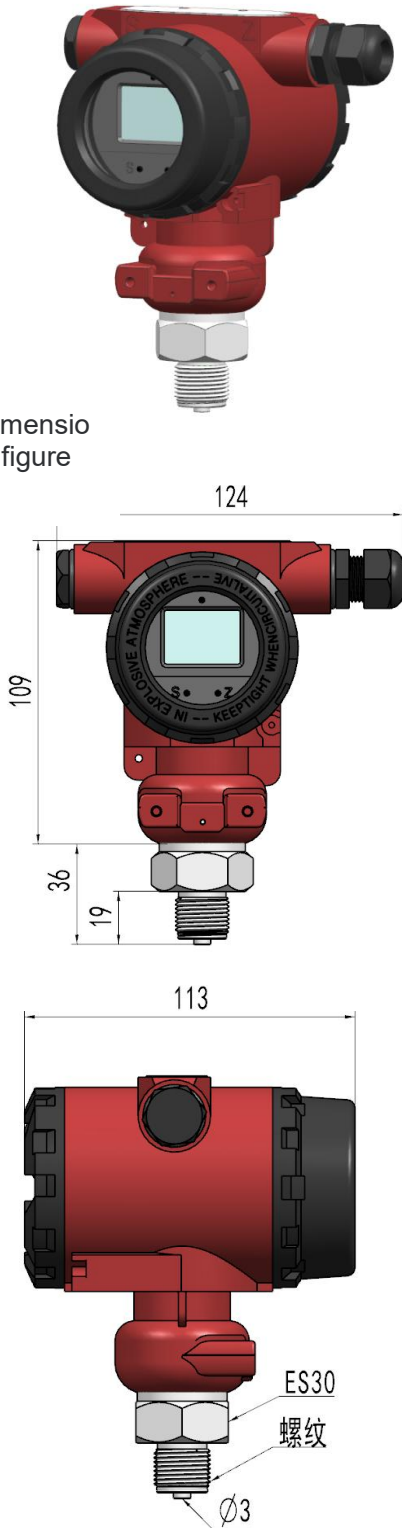
product application

Widely used in various advanced industrial automation environment, involving water conservancy, hydropower, railway traffic, intelligent building, production automation, aerospace, military, petrochemical, oil Wells, power, ships, machine tools, pipelines and many other industries.

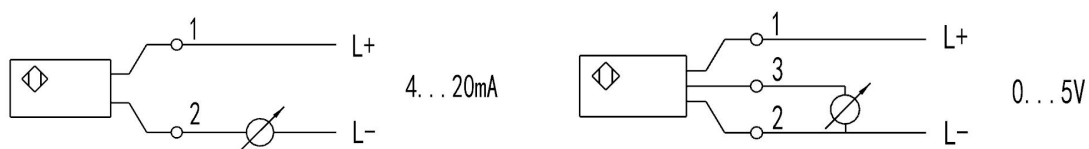
technical specification

- ◆ Measuring range: -100kPa... 100MPa
- ◆ Measurement medium: gas, liquid, oil and other 316 compatible medium; Pressure type: surface pressure, absolute pressure, sealing pressure, negative pressure;
- ◆ Measuring range: -0.1-60MPa;
- ◆ Accuracy grade: 0.1, 0.25, 0.3;
- ◆ Overload capacity: 2 times of the range;
- ◆ Long-term stability: less than 0.200oFS/ year;
- ◆ Power supply: 24VDC;
- ◆ Output signal: 4~20mA (second/third wire) 0~10/20mA, 0~5V, L~5V, 0~10V;
- ◆ Display mode: 5-digit LCD display;
- ◆ Operation mode: built-in =3 button;; ;
- ◆ Zero migration: through the key to the zero, range migration;
- ◆ Working temperature: -40~80°C;
- ◆ Compensation temperature: -20~70P;
- ◆ Process connection: M20x1.5 external thread or user specified;
- ◆ Protection grade :IP65;
- ◆ Shell material: alloy aluminum;
- ◆ Diaphragm Material
- ◆ :ICr18Ni9Ti.

dimension figure



wiring diagram



Selection table

PN30D-	A	1	B	1	4	G2	H	specification
PN30D-								PN30D series universal pressure
	A							absolute pressure
	B							gage pressure
		1						Range: 100... 0KPa
		2						Range: 100... 100KPa
		3						Range: 100... 500KPa
		4						Range: 0... 6KPa
		5						Range: 0... 35KPa
		6						Range: 0... 70KPa
		7						Range: 0... 100KPa
		8						Range: 0... 200KPa
		9						Range: 0... 500KPa
		10						Range: 0... 1000KPa
		11						Range: 0... 2.5 MPa
		12						Range: 0... 7MPa
		13						Range: 0... 10MPa
		14						Range: 0... 25MPa
		15						Range: 0... 40MPa
		16						Range: 0... 60MPa
		17						Range: 0... 100MPa
								Customized range: user-defined
			A					no display
			B					With LCD display head
				1				Accuracy grade: 0.5%
					4			4-20mA analog output
					5			0-5V voltage output
					0			0-10V voltage output
					H			HART
					4H			4-20mA analog output +HART
					R			485 communication
						G2		Connection mode: G1/2 thread
						M2		Connection mode: M20*1.5 thread
						G4		Connection mode: G1/4 thread
						M7		Connection mode: Flush film M27*2
						K		Connection mode: sanitary chuck
						D...		Connection mode: flange, type D...
						P		Connection mode: Flush film
								Custom thread
							K	external thread

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