

HNP50

VACUUM PRESSURE SENSOR

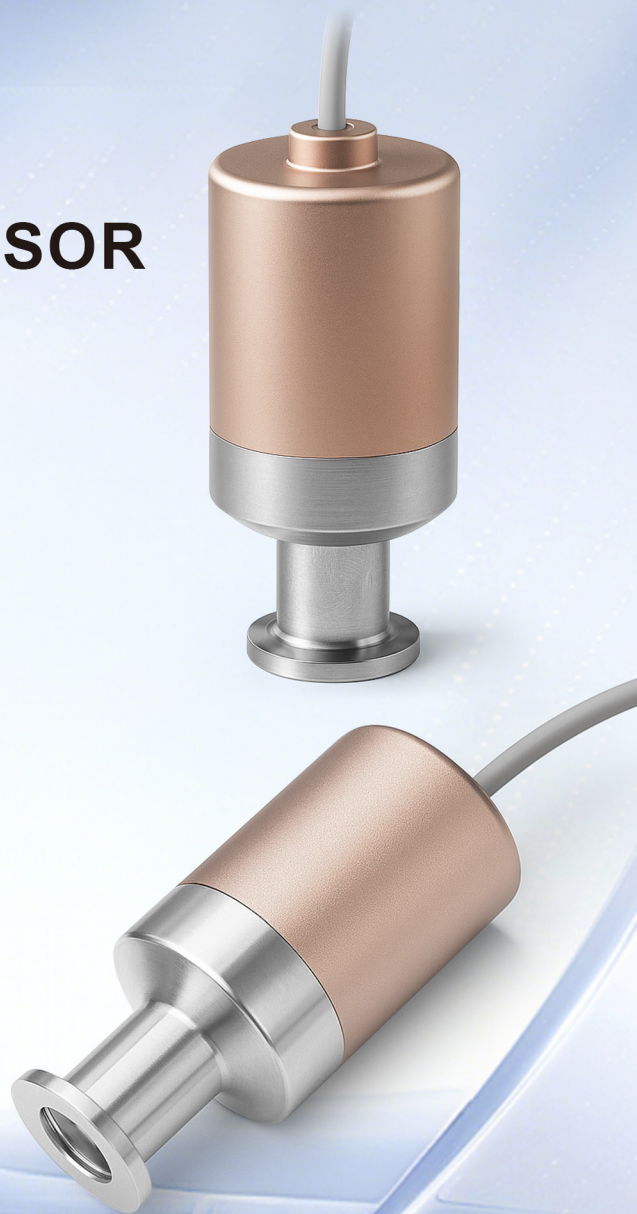
PRODUCT ADVANTAGE

Sensor source manufacturer, independent research and development, independent and controllable.

Cite high-end ceramic capacitor core, to ensure the superior performance and higher accuracy of the product.

Adopt digital circuit processing, multi-point temperature compensation Stainless steel metal structure, high pressure resistance

Can be applied to a variety of media.



PRODUCT DESCRIPTION

HNP50 vacuum pressure sensor with high-precision digital circuit board can achieve high-precision measurement and test data stability, suitable for a variety of vacuum equipment for industrial automation precision measurement and control.

The instrument has high performance in the metrological stability of continuous measurement of vacuum degree, reliability and safety of process control. The vacuum degree can be displayed more intuitively through the secondary instrument display.

Adopting MEMS bicrystalline silicon technology, it can be adapted to the pressure measurement of all kinds of harsh media. 304/316L shell can be used in all kinds of working conditions of harsh environments.

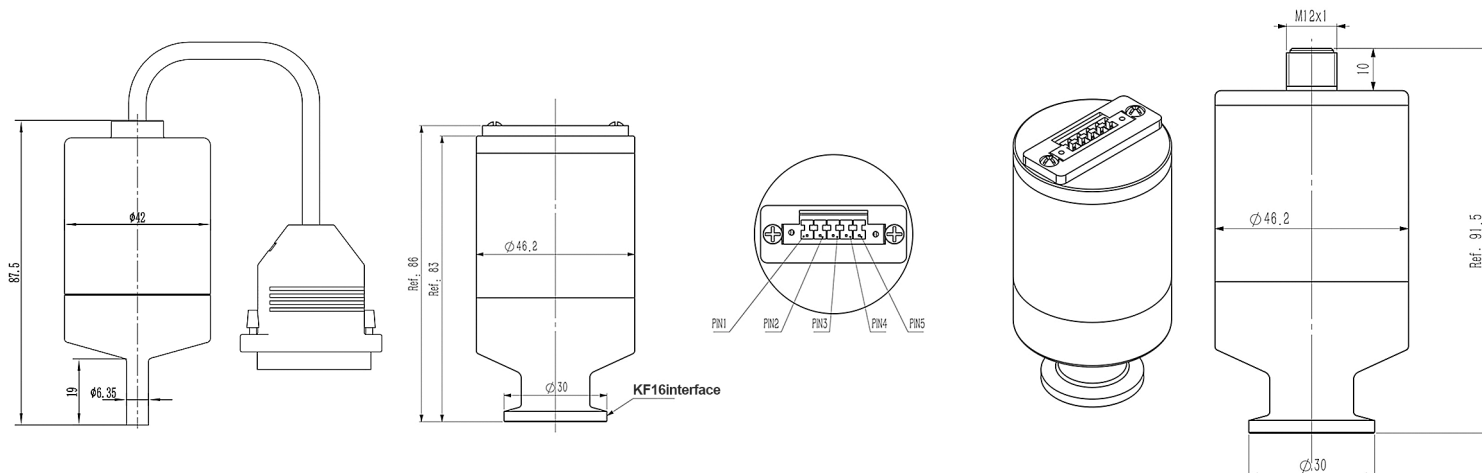
FUNCTIONAL PARAMETERS

NAME	SPECIFICATION
Measuring Range (absolute pressure)	(0.1 ~ 1000)KPa, (0.001 ~ 10)KPa, (0.001 ~ 20)KPa,(0.001 ~ 100)KPa, 10 times the maximum overload resistance is allowed.
Working Temperature	-20~80℃
Output Signal	4-20mA、RS485
Input Voltage	24V
Housing Material	SUS304, SUS316 stainless steel or customer-defined materials
Output Cable	2-core, 4-core cable (shielded cable requires special instructions)
Protection Class	IP65
Process Interface	KF16, KF25 (other interface types can be customised)
Note: 4-20mA can be with hart protocol, you can modify the range and related parameters through the hart hand manipulator.	

AREAS OF APPLICATION

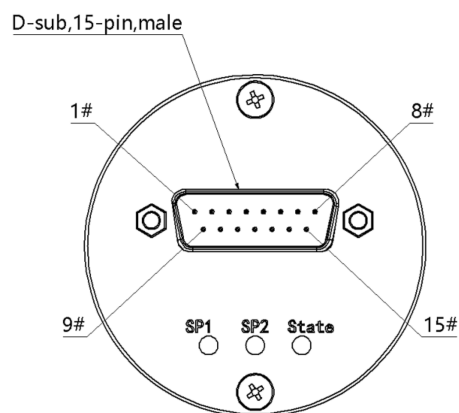


PRODUCT SIZE(MM)



WIRING

Pin1, 4: Relay SP1, closed contact
Pin2: Analog output (0~10V)
Pin3: N/C
Pin5: Power common, GND
Pin7, 11: Power
Pin8, 9: Relay SP2, closed contact
Pin10, 11: N/C
Pin12: Analog common
Pin13: RS232, TxD
Pin14: RS232, RxD
Pin15: Casing (rack ground)



HNP50 VACUUM PRESSURE SENSOR SELECTION CHART

NAME	CODE	CODE DESCRIPTION
HNP50		Vacuum Pressure Sensors
Output Signal	1	4-20mA
	2	RS485
	3	12-30 VDC/0-10 VDC
	4	9-30 VDC/0-5 VDC
	0	Customised Signal Types
Process connection	1	KF16
	2	KF25
	3	1/4 VCR
	4	Customised fittings
Electrical connection	1	5-Pin Terminal Block
	2	9-Pin D-Sub
	3	15-Pin D-Sub
	4	Direct Outlet
	0	Customised electrical connections
Accuracy	1	1%FS
	A	0.5%FS
	B	0.25%FS
	C	0.1%FS
	D	0.05%FS
Range	1	0~1Torr
	2	0~10Torr
	3	0~100Torr
	4	0~1000Torr
	5	Custom range