

HNP20-C

DIGITAL PRESSURE SENSOR

FIELDS OF APPLICATION

Hydraulics

Pneumatic control systems

Motorised brake systems

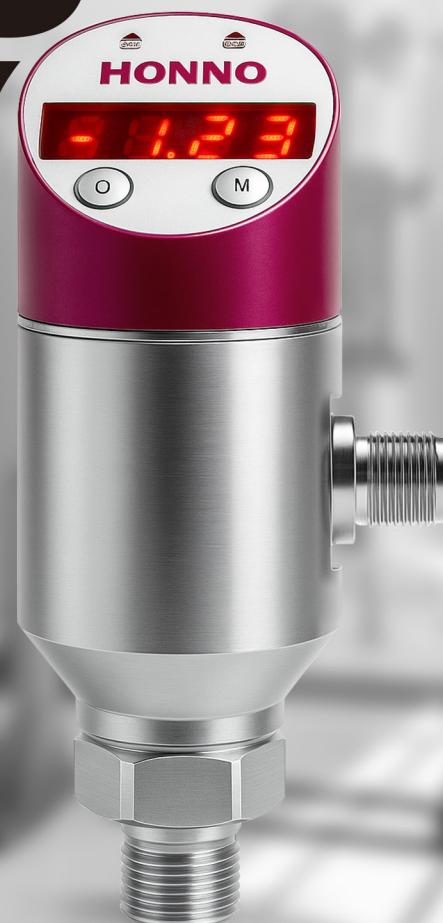
Industrial process testing
and control

Boiler

Building automation

Constant Pressure
Water Supply

Air Compression



PRODUCT DESCRIPTION

The HNP20-C series electronic pressure sensor is based on high-performance electronic components and uses high-precision imported pressure sensitive components as pressure measuring elements.

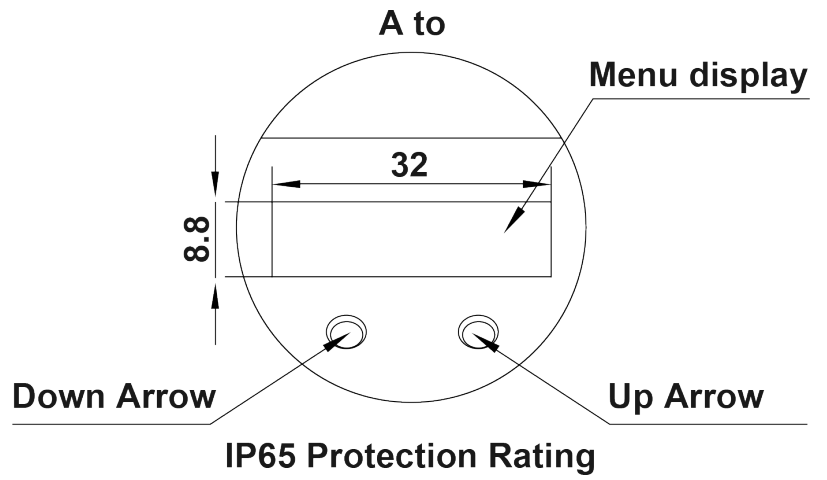
Adopting advanced digital circuits to convert the pressure signals sensed by pressure sensitive components into current signals and switch signals, it has the advantages of high accuracy, fast response, stable performance, small size, easy operation, convenient and flexible use and installation.

TECHNICAL PARAMETERS

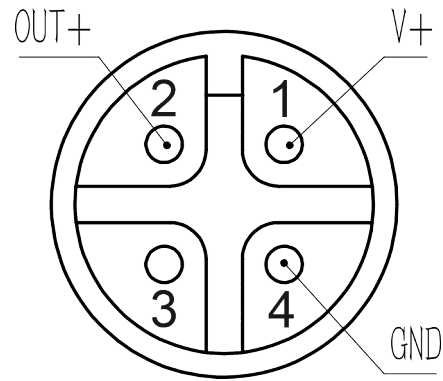
SPORTS EVENT	NUMBERS
Measuring medium	Various liquids, gases or vapours compatible with 304, 316 or 316L stainless steel
Measuring range	0 to 0.6 MPa to 0 to 1000 MPa
Overload pressure	2 times full scale
Signal output	Double-point type: one set of normally open and normally closed switches, the switch state will be changed when the pressure is higher than the upper limit value; the switch state will be restored when the pressure is lower than the lower limit value. Single-point type: 4~2mA output and normally open, normally closed switch each group, when the pressure is higher than the set value, the switch state will be changed; when the pressure is lower than the set value, the switch state will be restored.
Supply voltage	Double-point type:15~36VDC,Single-point type:19~36VDC
Dielectric temperature	-20~+85°C
Ambient temperature	-20~+85°C
Storage temperature	-40~+90°C
Relative humidity	≤95%(40°C)
Rise time	≤5ms up to 90%FS
Accuracy	Class 1.0, Class 0.5, Class 0.25
Input/Output Withstand Voltage	2500VAC
Switching Withstand Voltage	60VDC
Switch Full Load Current	1ADC
Switch Life	≥100,000 times
Temperature Compensation	Temperature compensation range 0 ~ 70 °C, zero drift ≤ 0.05% FS / °C
Stability	0.5%FS /year
Dielectric contact material	304, 316 or 316L stainless steel
Housing Material	304 or 316 stainless steel
Mounting method	Thread installation
Pressure connection	M20×1.5 external thread (standard configuration), VCR, etc.
Electrical connection	M12 connector

Panel Introduction

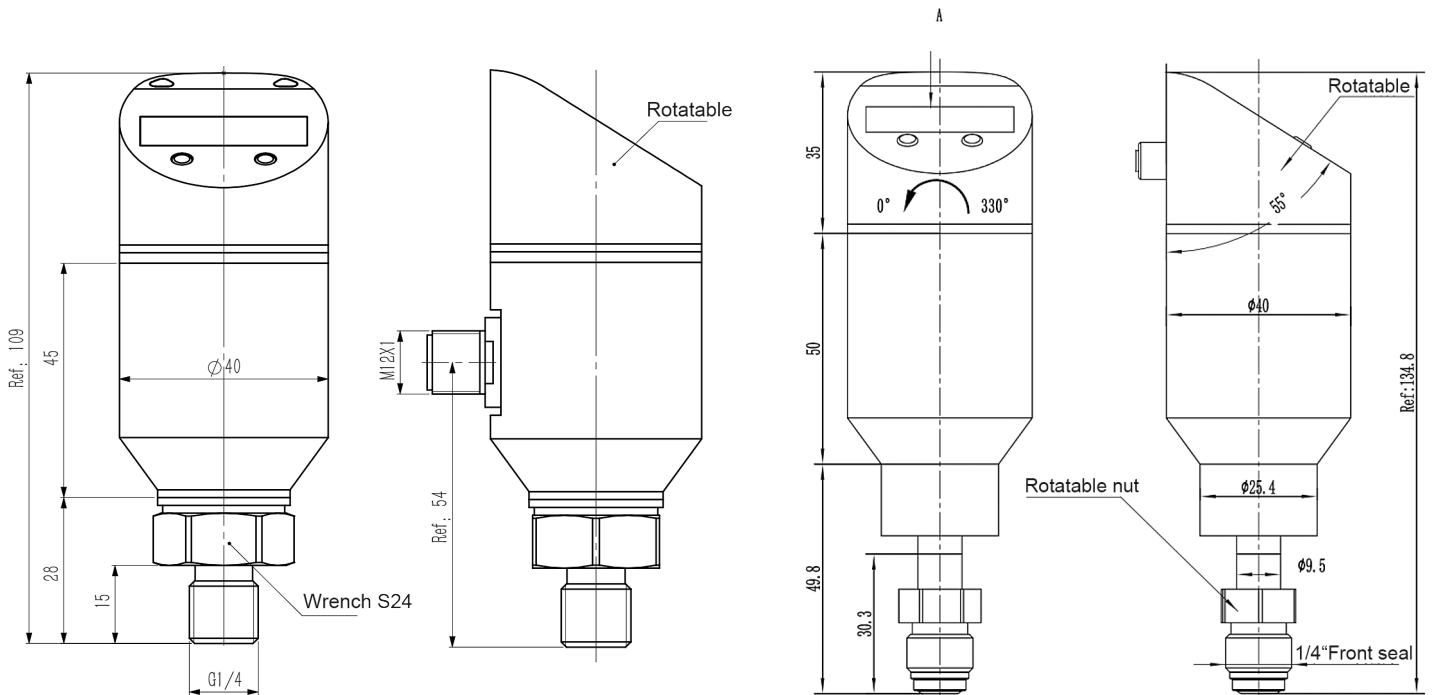
- 1、The menu displays various information
- 2、Button adjustment, output information switch information



Wiring diagram



Product size (mm)



HNP20-C DIGITAL PRESSURE SENSOR SELECTION TABLE

NAME	CODE	CODE DESCRIPTION
Product type	Z	Positive pressure type
	F	Negative pressure type
Accuracy	1	1%
	A	0.5%
	B	0.25%
	C	0.1%
Measurement range	10	-1~1MPa
	16	0~1.6MPa
	100	0~10MPa
	250	0~25MPa
	600	0~60MPa
	X	Customized
Output signal	1	Single point: Analog 4-20mA+Two way switch quantity
	2	Double point: Two way switch quantity
Upper limit point	1.0	Actually, the lower limit value (mandatory) is omitted when the lower limit is 0 and when the range is MPa
Lower limit point	D	Passive contact
	M	Active contact
Electrical connection	1	M12 connector
Process connection	G	G1/4 external thread
	M	M12 * 1.5 external thread
	V	VCR
	X	Customized



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