



合肥皖科智能技
HEFEI WNK SMART TECH

PRODUCT MANUAL

WNK125P

Hefei WNK Smart Technology Co., Ltd.

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WhatsApp



ADDRESS:

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High-Tech Zone.



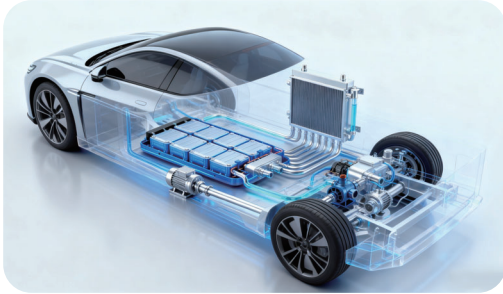
PRODUCT INTRODUCTION

WNK125P is a diffused silicon oil-filled pressure sensor. The element is made of 316L diaphragm and is fully welded. Since there are no moving parts, its service life is longer. The pressure sensor has high temperature stability and accuracy, and is mainly used in automobiles, transmissions, HVAC, oil pressure measurement and other fields.





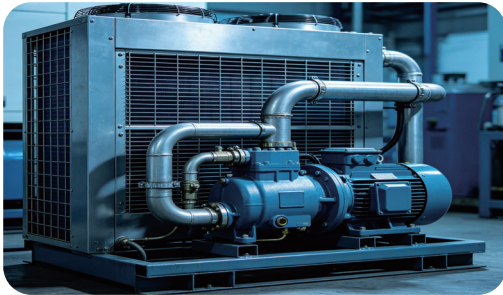
APPLICATION



Automobile



HVAC



Pump



**Liquid-cooled
energy storage system**

FEATURES

- Multiple process connection options and easy installation.
- 1% typical accuracy provides superior accuracy for critical applications.
- Factory calibrated, no on-site calibration required. Plug and play reliability.
- Sturdy and compact design, saving installation space.
- OEM/ODM available and can be adapted to special needs.
- Designed with a fully welded construction, it is compatible with a wide range of media.



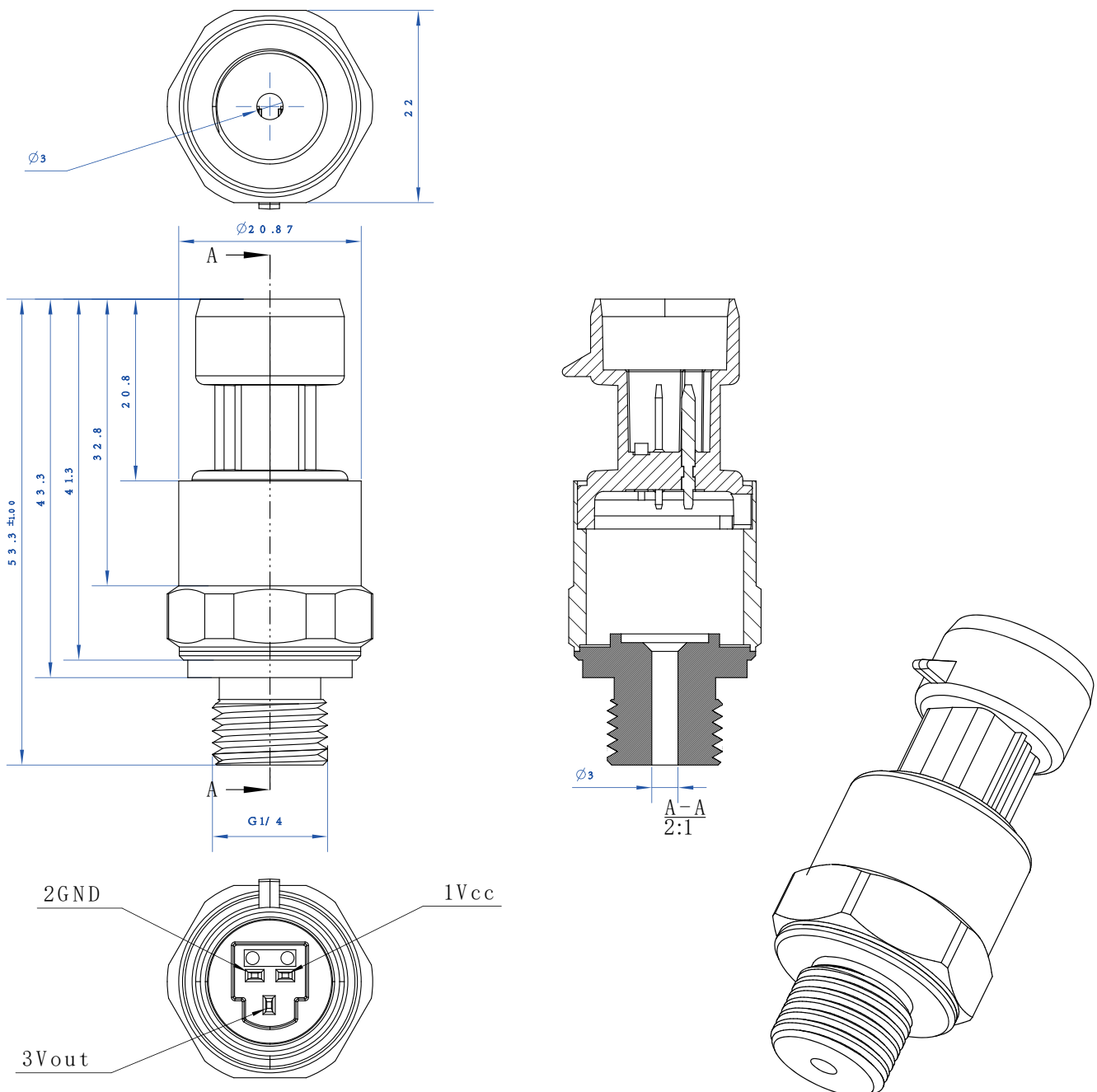
SPECIFICATION PARAMETERS

Model	WNK125P
Supply voltage	5 VDC, 12~30V DC, 3.3V DC
Pressure range	0~5...100Bar, (customized)
Output	0.5V~4.5V DC, (10%-90%Vcc), 4~20mA, I2C
Process connection	G1/4, 1/4NPT, 1/8NPT, 7/16-UNF Female, (others)
Electrical connection	PACK, Cable outlet, M12 4pin
Operating temperature	-40℃~135℃
Storage temperature	-40℃~135℃
Safety pressure	2 times the sensor range
Burst pressure	3~4 times the sensor range
Protection level	IP67
Accuracy	±1%F.S (linearity, hysteresis, repeatability, calibration) Static error band @25℃, 5VDC,
Total error band	±3% (-40℃~135℃)
Medium	Engine oil, POE oil, refrigerant, gas, water or liquid
Material	Shell 304 stainless steel; sensor wetted material 316L stainless steel
Installation torque	8~15N·m
Antifreeze functionttt	When the working medium of this sensor is water, this sensor has no anti-freezing function.



PRODUCT SIZE

Unit:mm

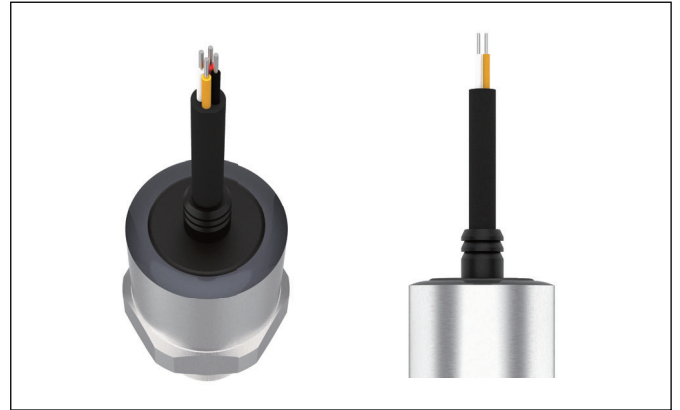


ELECTRICAL CONNECTION

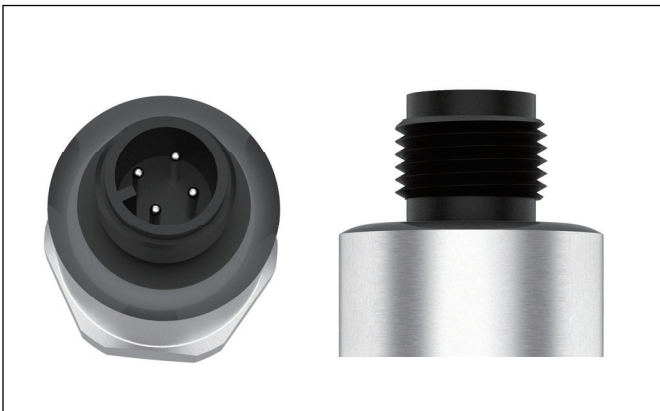
PACK



Crimp-type Cable outlet



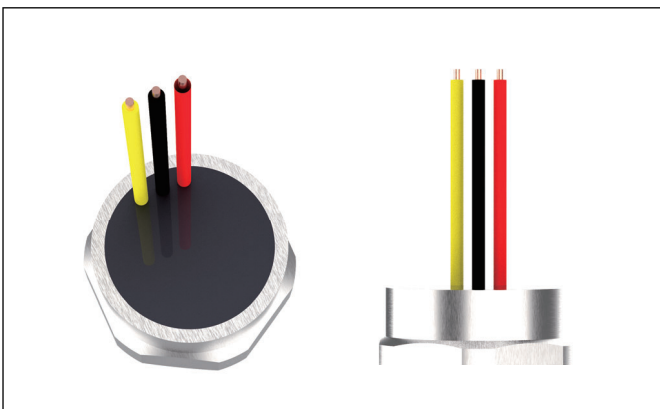
Crimp-type M12 4pin



Welding-type M12 4pin

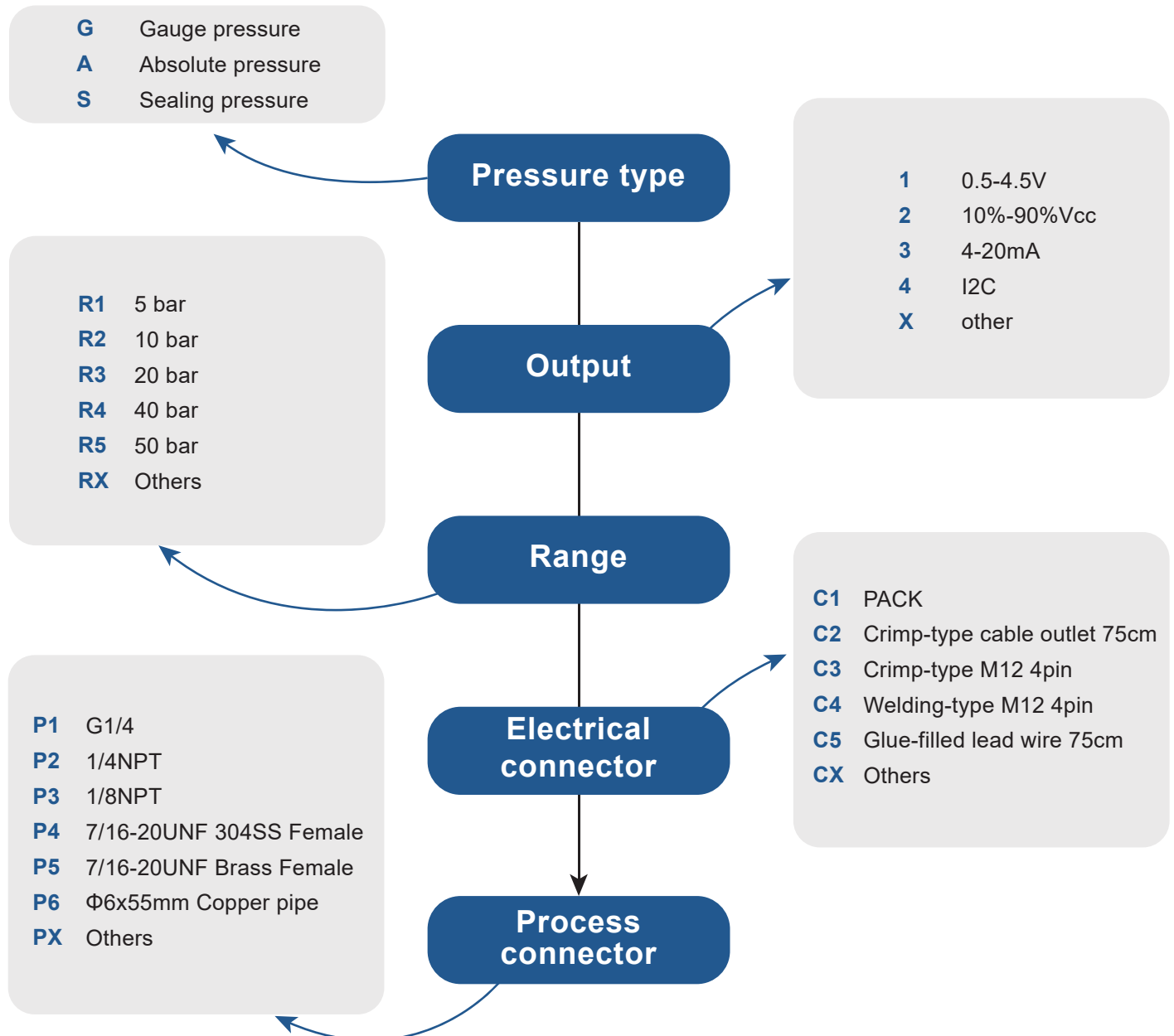


Glue-filled lead wire





SELECTION GUIDE



Please select your selection code : **WNK125P-S-2-R3-C1-P1**