



合肥皖科智能技
HEFEI WNK SMART TECH

PRODUCT MANUAL WNK125SP

Hefei WNK Smart Technology Co., Ltd.

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WhatsApp



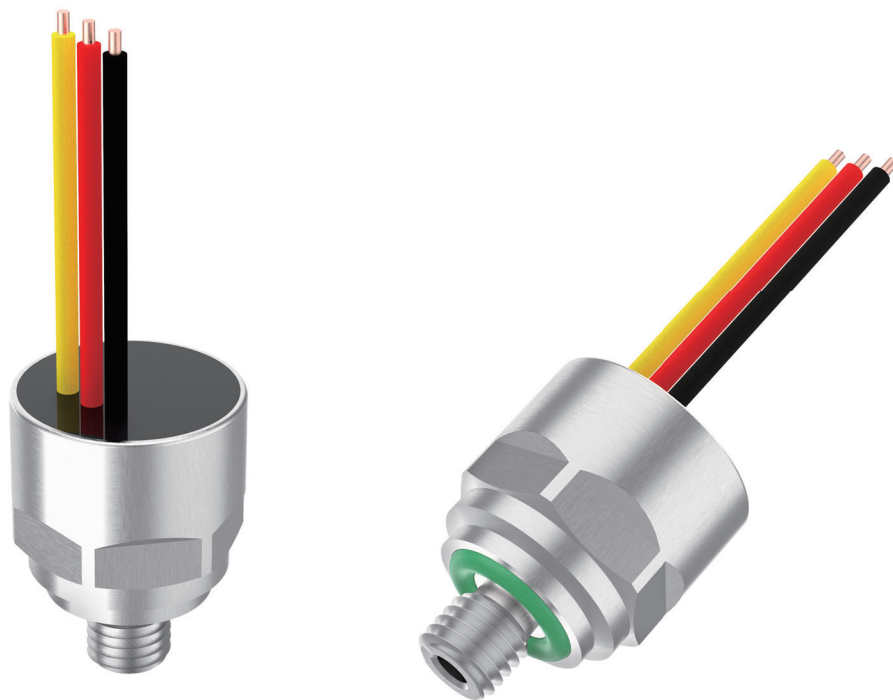
ADDRESS:

CN, Anhui, Hefei, Area A And B, 5th
Floor, Plant 2, Mingzhu Industrial
Park, No. 106 Chuangxin Avenue,
High-Tech Zone.



PRODUCT INTRODUCTION

WNK125SP is a mini diffused silicon pressure sensor. The sensor uses an O-ring to maintain good sealing. Since the sensor size is very small, it is more convenient for engineers to save more available space when developing products. The pressure sensor has high temperature stability and measurement accuracy, and is mainly used in coffee machines, water dispensers, air conditioners, smart water meters and other fields.





APPLICATION



Coffee machine



HVAC



Smart water meter



Water dispenser

FEATURES

- 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.



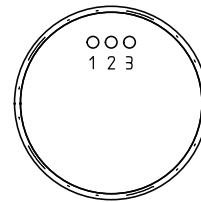
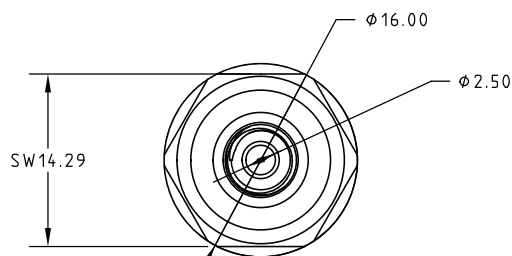
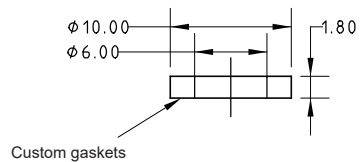
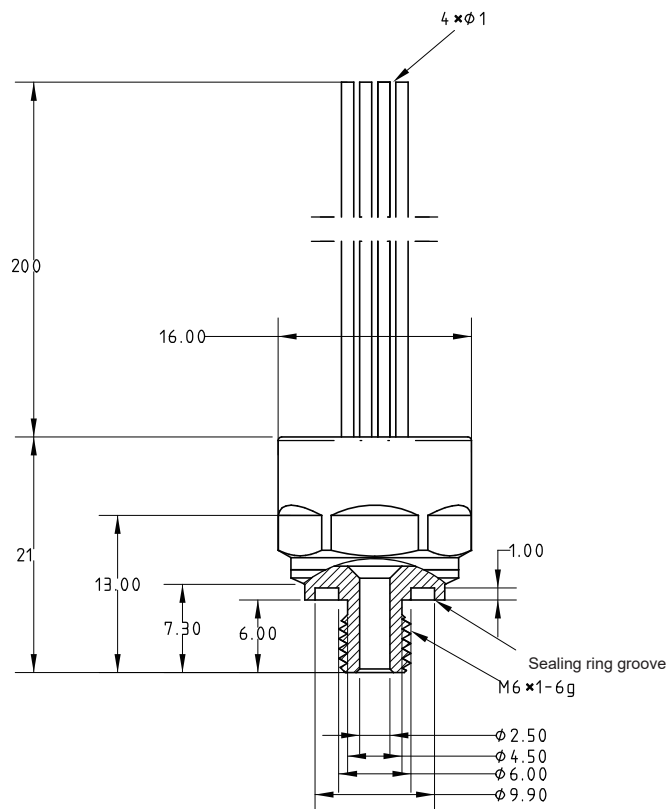
SPECIFICATION PARAMETERS

Model	WNK125SP
Supply voltage	5V DC, 3.3~5V DC
Range	0~5...40bar, (customized)
Output	0.5V~4.5V, I2C, (10%-90%Vcc proportional output)
Process connection	M6x1, M10x1
Electrical connection	Direct cable
Operating temperature	-30℃~125℃
Storage temperature	-30℃~125℃
Safety pressure	2 times of sensor range
Explosion pressure	6Mpa
Accuracy	±1%F.S (linearity, hysteresis, repeatability, calibration) static error band @25℃, 5V DC
Total error band	±3% (-30℃~125℃)
Applicable medium	Engine oil, POE oil, refrigerant, gas, water or liquid
Material	Shell 304 stainless steel
Mounting torque	3~8N·m
Antifreeze function	When the working medium of this sensor is water, this sensor has no anti-freeze function
Protection level	IP68 top glue filling

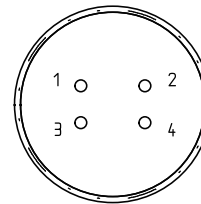


PRODUCT SIZE

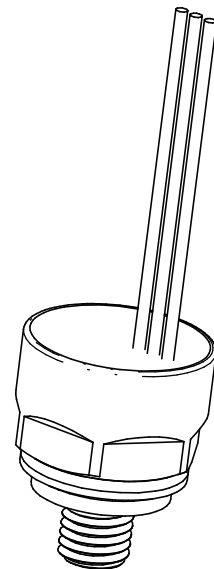
Unit:mm



Voltage output:
1-yellow (Vout)
2-red (Vcc)
3-black (GND)

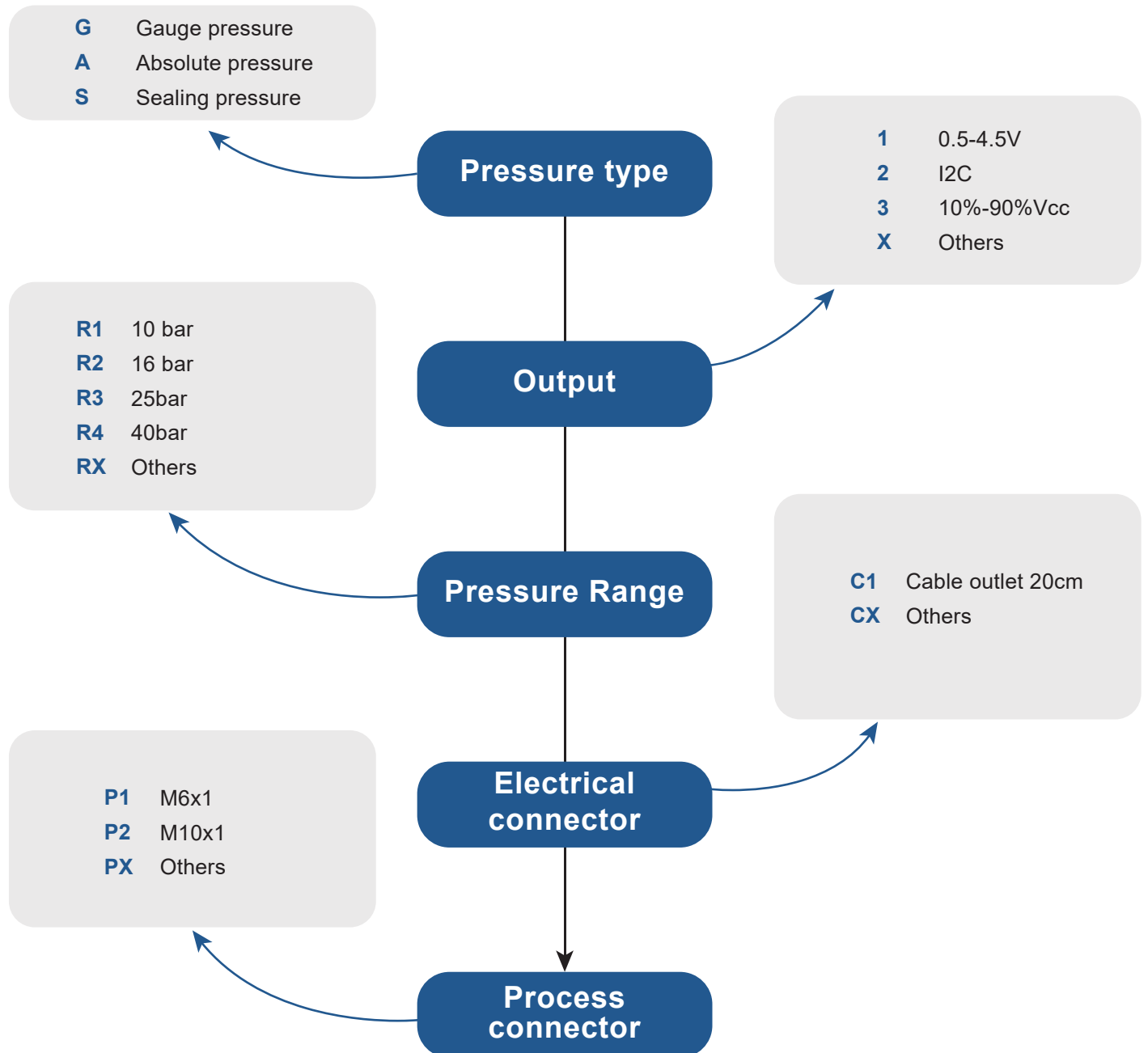


I2C output:
1- Red (V+)
2- Black (V-)
3- Yellow (SCL)
4- White (SDA)





SELECTION GUIDE



Please select your selection code : **WNK125SP-A-2-R1-C1-P1**