



PRODUCT MANUAL

WNK80MA

Hefei WNK Smart Technology Co., Ltd.

Whatsapp: +86 18356504420 E-mail: wnksensorjack@gmail.com

Web: www.gqsensor.com

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



PRODUCT INTRODUCTION

WNK80MA is a ceramic pressure sensor designed for general industrial and commercial use with a wide range of applications.

Using ASIC signal conditioning chip and dry ceramic capacitor pressure sensor, it has the characteristics of anti-corrosion, anti-wear, anti-shock and vibration. In addition, the ceramic capacitor pressure sensor has high temperature stability and time stability, and can be in direct contact with most media.





APPLICATION



**WATER
PRESSURE**



**AIR
PRESSURE**



**OIL
PRESSURE**



**AGRICULTURAL
IRRIGATION**



**CAR
MODIFICATION**



MEDICINE



HVAC



REFRIGERANT

FEATURES

- Multiple Process Connection Options – Ease of installation.
- 1% Typical Accuracy – Offers superior accuracy which can work well for critical applications.
- Factory Calibrated – No need for field calibration. Plug and play reliability.
- Rugged, Compact Design – Easy to package or install.
- OEM/ODM Available – Adaptable to special needs.
- IP65 UL listed, RoHS, and CE compliant.
- 12 Months warranty.



SPECIFICATION PARAMETERS

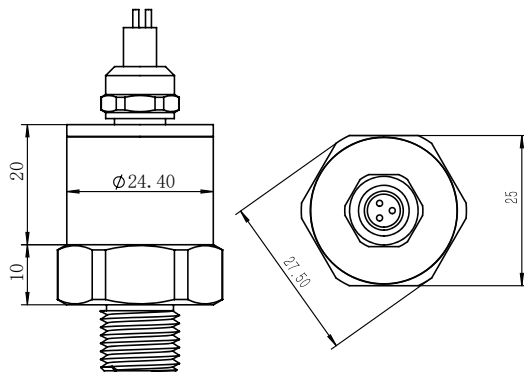
Model	WNK80MA				
Type	Gauge pressure Seal pressure				
Range	0~400Kpa...60bar				
Overload pressure	150%				
Failure pressure	200%				
Signal output	0.5-4.5V	I2C	4-20mA	0-5V	0-10V Others
Scope of power supply	5V	3.3-5V	12-30V	9-30V	
Sensor type	Ceramic capacitor type				
Accuracy	1%FS				
Acquisition frequency	2.4KHZ				
Start time	150ms				
Working temperature	-20~90℃				
Storage temperature	-20~90℃				
Protection level	IP65				
Electrical connection	Cable outlet	Mini DIN43650	GX12-3	Packard	
	DIN43650	M12 4Pin			
Process connection	G1/4	1/4NPT	M20x1.5		
	M10x1	G1/8	1/8NPT		
	7/16-20UNF Female		Other		

Output	0.5-4.5v	I2C	4-20mA	0-5V	0-10V
Supply Voltage	4.75-5.25v	3.3-5V	12-30V	9-30V	12-30V

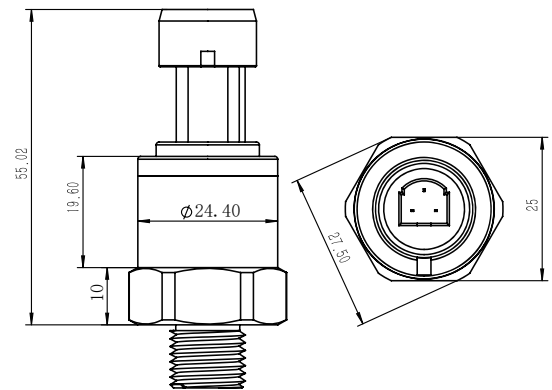


PRODUCT SIZE

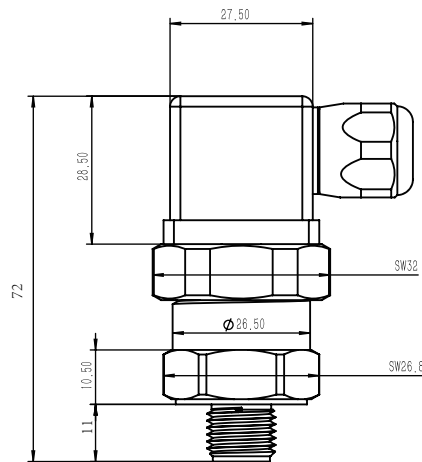
Unit:mm



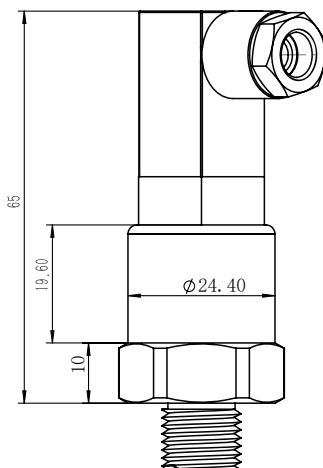
Cable outlet



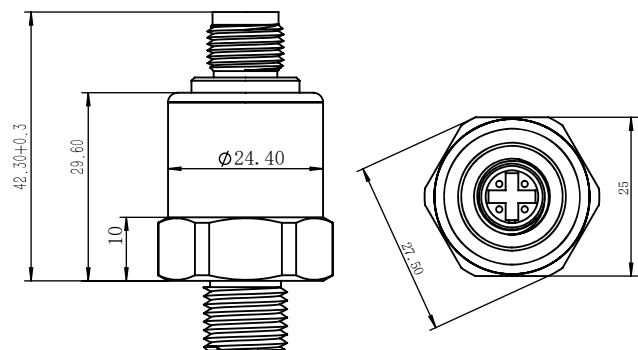
Packard



DIN43650

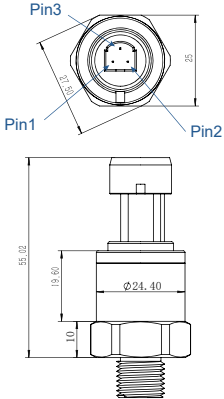
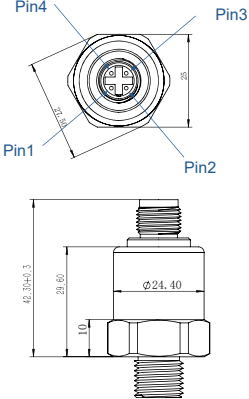
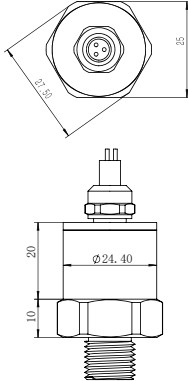
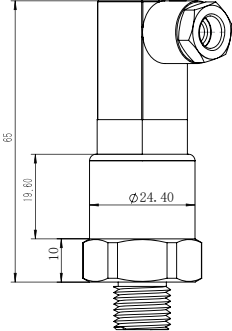


Mini DIN43650



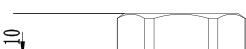
M12 4Pin

ELECTRICAL CONNECTION

Packard			M12 4Pin			Cable Outlet			Mini DIN43650			
												
C1			C2			C3			C4			
4-20mA		Voltage	4-20mA		Voltage	4-20mA		Voltage	I2C	4-20mA		Voltage
Red/Pin1	VCC	Red/Pin1 VCC Black/Pin2 GND Yellow/Pin3 VOUT	Brown/Pin1	VCC	Brown/Pin1 VCC White/Pin2 SCL Blue/Pin3 GND Black/Pin4 SDA	Red	VCC	Red VCC Black GND Yellow VOUT	Red VCC Yellow SCL Black GND White SDA	Red/Pin1	VCC	Red/Pin1 VCC Black/Pin2 GND Yellow/Pin3 VOUT
Black/Pin2	GND		White/Pin2	GND		Black	GND			Black/Pin2	GND	
			Blue/Pin3	VOUT								

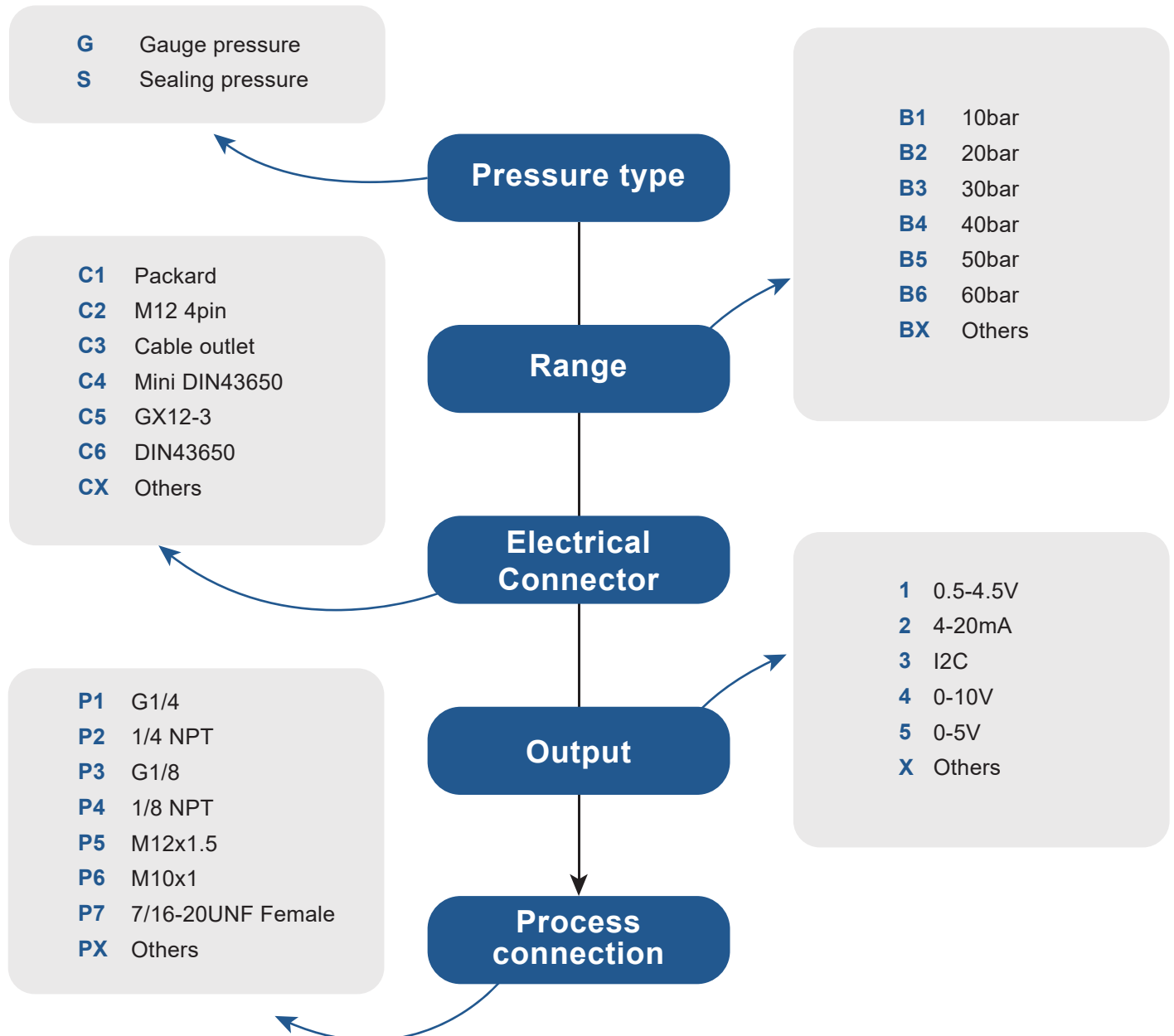
PROCESS CONNECTION

Thread	G1/4	1/4 NPT	G 1/8
Unit:mm The hexagon is 25mm			
Number	P1	P2	P3

Thread	1/8 NPT	M12x1.5	M10x1	7/16-20UNF Female
Unit:mm The hexagon is 25mm				
Number	P4	P5	P6	P7



SELECTION GUIDE



Please select your selection code : WNK80MA-G-B1-C2-2-P1