

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









FOOD

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 listd,RoHS, and CE compliant.
- 12 Months warranty.



SPECIFICATION PARAMETERS

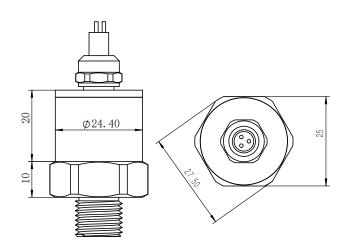
Model	WNK80MA
Туре	Gauge pressure Seal pressure
Range	0-60bar
Overload pressure	150%
Failure pressure	200%
Signal output	0.5-4.5V I2C 4-20mA 1-5V 0-10V Others
Scope of power supply	5V 3.3-5V 12-30V 9-30V 12-30V
Zero temperature drift	2%
Accuracy	1%FS
Acquisition frequency	2.4KHZ
Start time	150ms
Working temperature	-20~70℃
Storage temperature	-20~70℃
Protection level	IP65
Electrical connection	Cable outlet Mini DIN43650 GX12-3 Packard M12 4Pin
Process connection	G1/4 1/4NPT M20x1.5
	M10x1 G1/8 1/8NPT
	7/16-20UNF Female Other

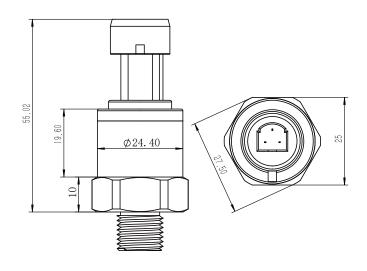
Output	0.5-4.5v	I2C	4-20mA	1-5V	0-10V
Supply Voltage	4.75-5.25v	3.3-5V	8-30V	9-30V	12-30V



PRODUCT SIZE

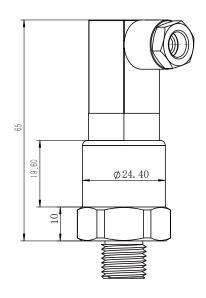
Unit:mm

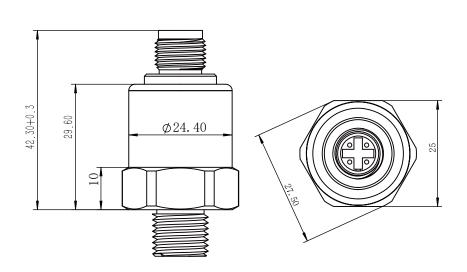




Cable outlet

Packard





Mini DIN43650

M12 4Pin



ELECTRICAL CONNECTION

Pac	kard	M12 4Pin		Ca	ıble Oı	ıtlet	Mini D	IN43650	
28 SS	Ø 24. 40	24.40		Sq. (24.40		\$2 \$\frac{\phi}{24.40}\$			
С	1		C	2		C3		(24
4-20mA	Voltage	4-20	0mA	Voltage	4-20mA	Voltage	I2C	4-20mA	Voltage
Red/Pin1 VCC Black/Pin2 GND	Red/Pin1 VCC Black/Pin2 GND Yellow/Pin3 VOUT	Brown/Pir White/Pin		Brown/Pin1 VCC White/Pin2 GND Blue/Pin3 VOUT	Red VCC Black GND	Red VCC Black GND Yellow VOUT	Red VCC Yellow SCL Black GND White SDA	Red/Pin1 VCC Black/Pin2 GNI	
		I2C					Willio ODA		

PROCESS CONNECTION

Thread	G1/4	1/4 NPT	G 1/8
Unit:mm The hexagon is 25mm	11,00	1/4NPT	2 61/8
Number	P1	P2	P3

Thread	1/8 NPT	M12x1.5	M10x1	7/16-20UNF Female
Unit:mm The hexagon is 25mm	1/8NPT	M12	P M10	7/16-20UNF Female
Number	P4	P5	P6	P7



SELECTION GUIDE

Pressure Type

Gauge pressrue	G
Sealing pressure	S

Range		
10bar	A	
20bar	В	
30bar	С	
40bar	D	
50bar	Е	
60bar	F	

Electrical Connec	ctor
Bookerd	

Packard	C1
M12 4pin	C2
Cable outlet	C3
Mini DIN43650	C4
GX12-3	C5
Others	СХ

Jacpat	
0.5-4.5V	1
4-20mA	2
I2C	3
0-10V	4
1-5V	5

Others

Output

Process Connection

G1/4	P1
1/4 NPT	P2
G1/8	P3
1/8 NPT	P4
M12x1.5	P5
M10x1	P6
7/16-20UNF Female	P7
Others	PX

Code: <u>G-A-C1-1-P1</u>

X