



合肥皖科智能技
HEFEI WNK SMART TECH

PRODUCT MANUAL

WNK83MA

Hefei WNK Smart Technology Co., Ltd.

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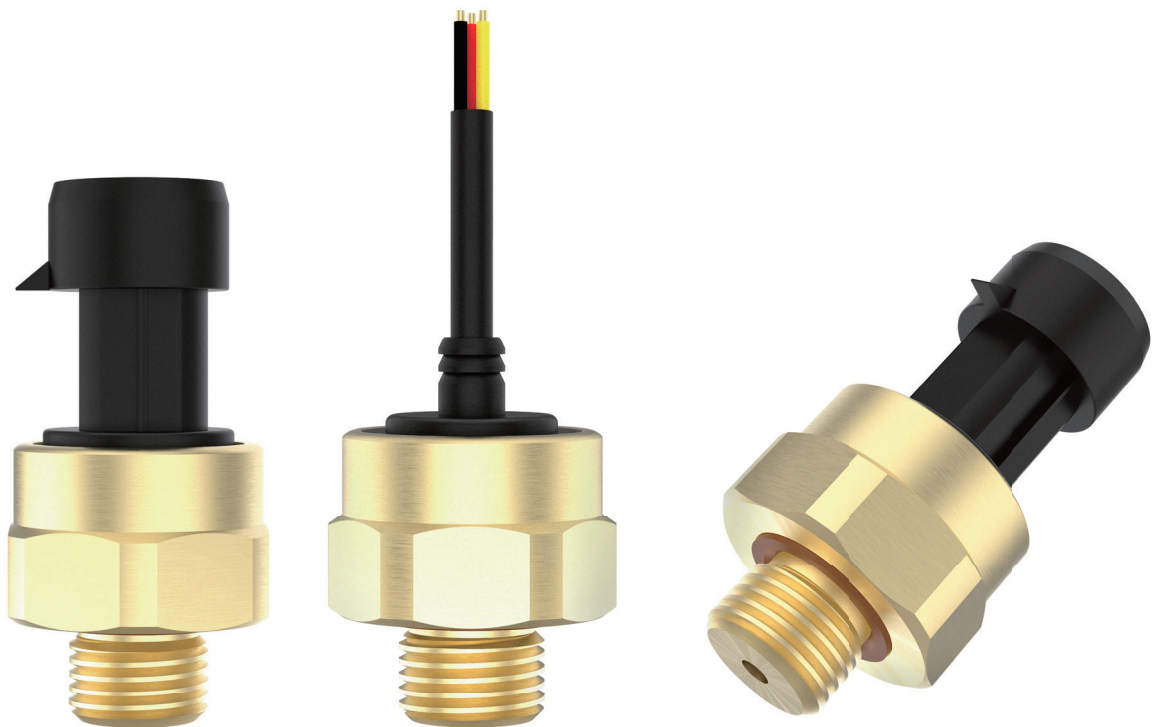
ADDRESS:

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



PRODUCT INTRODUCTION

WNK83MA is our standard compact pressure Transmitter,by using ASIC signal conditioning chip and dry ceramic capacitive pressure sensor. It has features of anti-corrosion,anti-wear, shock resistance and vibration resistance. WNK83MA is especially suitable for manufacturing of high-performance industrial control pressure transmitter and harsh environment pressure measurement.





APPLICATION



**WATER
PRESSURE**



**AIR
PRESSURE**



**OIL
PRESSURE**



**AGRICULTURAL
IRRIGATION**



FOOD



PUMP



HVAC



REFRIGERANT

FEATURES

- Pressure measurement of gas or liquid in various areas;
- Liquid level measurement;
- Integrated in a variety of user-defined solutions;
- Smart water and gas management, smart fire controlling, automotive electronics controlling, aircompressor, HVAC, pump, valve and etc;



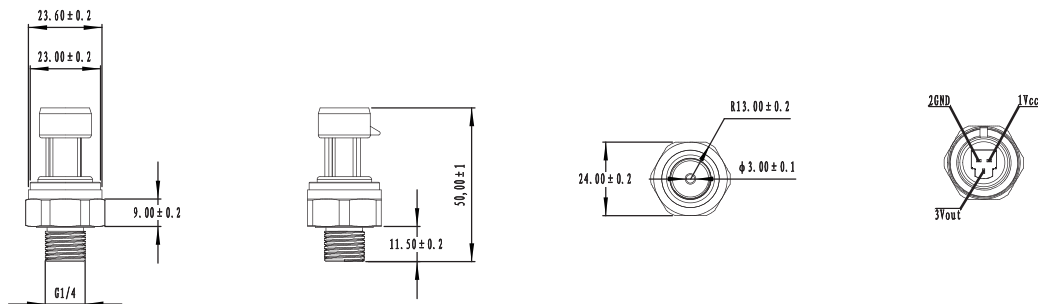
SPECIFICATION PARAMETERS

Model	WNK83MA
Applicable media	Water, Liquid, Gas
Pressure range	0-10bar、0-20bar
Pressure measurement	Gauge Pressure, Sealing pressure
Output signals	0.5-4.5V
Power supply	4.75-5.25 VDC
Accuracy	±1%
Total error band	±3%
Max pressure	2 times
Burst pressure	3 times
Supply current	15mA Max
Electrical connection	Packard , Cable outlet
Process connection	1/4NPT, G1/4
Housing material	Brass
Protection class	IP65
Working temperature	−40 ~ 85℃
Ambient temperature	−40 ~ 90℃

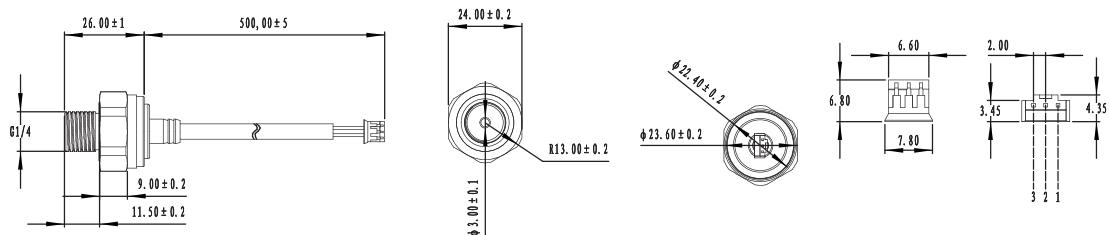
PRODUCT SIZE

Unit:mm

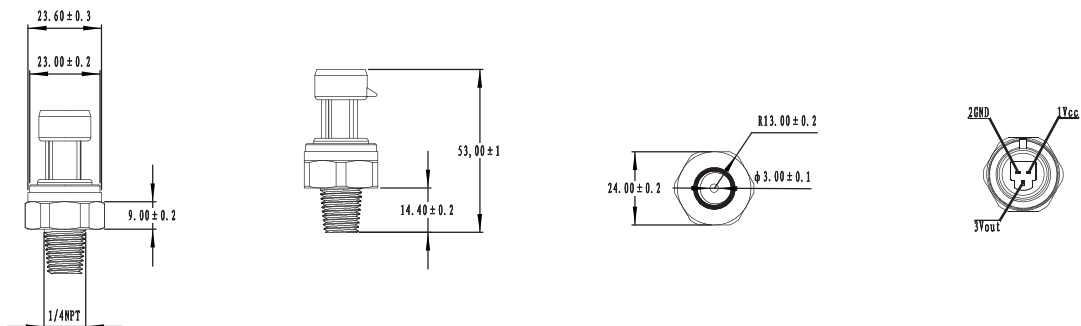
1. Parkard connector, G 1/4 thread



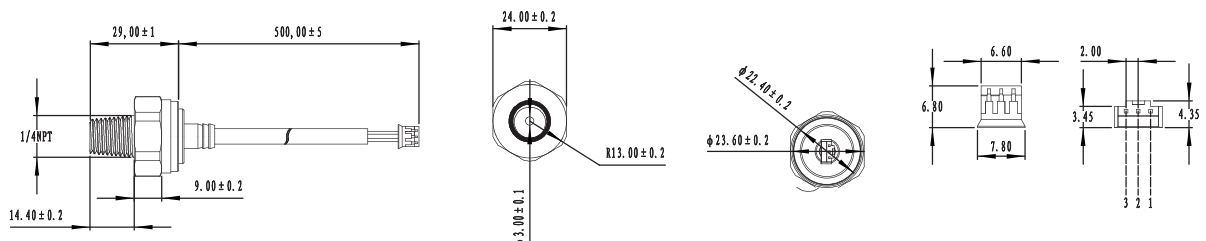
2. Direct cable outlet, G 1/4 thread



3. Parkard connector, 1/4NPT thread



4. Direct cable outlet, 1/4NPT thread





SELECTION GUIDE

Code

Range	
0~10bar	A
0~20bar	B



B

Process Connection	
G1/4	P1
1/4 NPT	P2



P1

Electrical Connector	
Packard	C1
Cable outlet	C2



C2

Code: WNK83MA-B-P1-C1