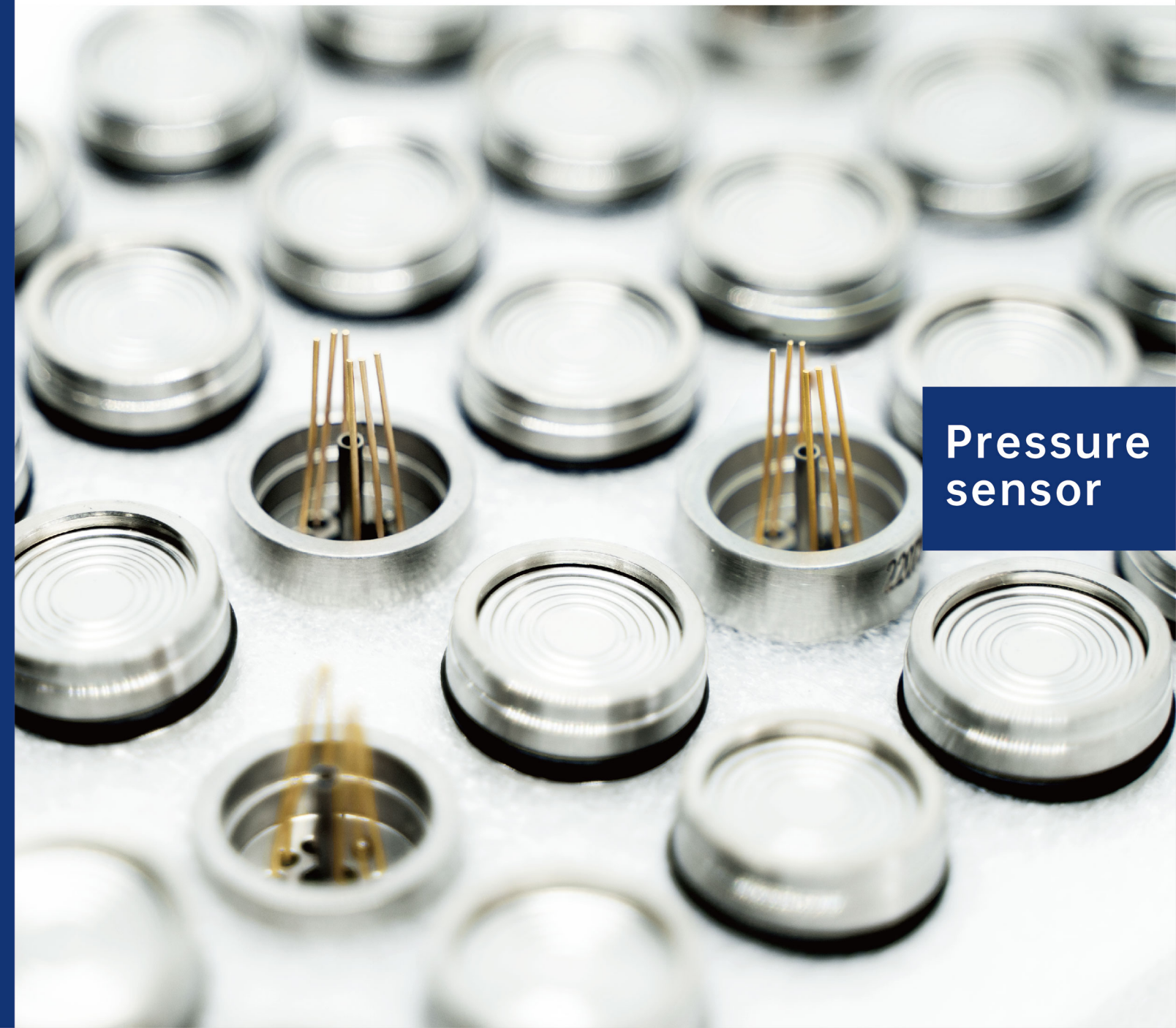


Professional sensor and application solution provider



**Pressure
sensor**



Zhengzhou Winsen Electronics Technology Co., Ltd

ADD: NO.299, Jinsuo Road, National Hi-Tech Zone

Tel: +86 371 55138195

Zhengzhou 450001, China

Web: www.winsen-sensor.com

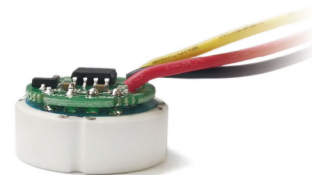
Email: sales@winsensor.com



WPAH01 Ceramic Pressure Sensor

Excellent corrosion resistance, Wear resistance

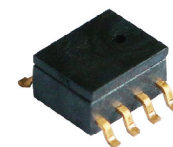
Size	Φ18mm*6.35mm
Detection range	2bar, 5 bar, 10 bar, 20 bar, 50 bar, 100bar, 200 bar, 400 bar
Power Voltage	2-20v
sensitivity	1.5—4mV/V, Typical value 2.0±0.5mV/V
Input, output resistance	10KΩ±30%
Temperature range	-40°C-125°C
Zero output	0—±0.4 mV/V, Typical value 0±0.25mV/V
Linearity, hysteresis, repeatability	Typical value ±0.3 %FS
Temperature drift	Typical value ±0.05%FS/°C
Safe overload	Two times of rated detection range (When sensitivity is typical value)
Stability	Better than ±0.5%FS / year (Properly Using)



WPBH01 Ceramic pressure sensor module

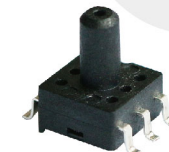
Mini-Size, High Accuracy, Good Consistency

Item	parameter
Size	φ18.0×11.8 mm
Range	2bar—400bar
Power Voltage	5VDC
Output	Proportional voltage output, 0.5 ~ 4.5V Standard signal output
Comprehensive Accuracy	1%
Compensation Temperature	0 ~ 65°C
Response time	< 1mS
Working current	< 1.5mA



WPAS01 Plastics-Packed Pressure Sensor

Package	SOP8
Detection range	-100kPa ~ 0 ~ 200kPa...1.7MPa
Pressure Reference	Absolute Pressure
Excitation	5V
Input resistance	4kΩ ~ 6KΩ;
Electrical Connection	Pin
Response Time	≤1mS (Up to 90%FS)
Working Temperature	-40°C ~ 125°C
Storage Temperature	-55°C ~ 150°C
Lifespan	10×10 ⁶ (Pressure Cycle)



WPAS02 Plastics-Packed Pressure Sensor

Low Cost; Mini Size; High Reliability

Detection Range	10kPa ~ 100kPa
Pressure Reference	Gauge Pressure
Excitation	5V
Input resistance	4kΩ ~ 6KΩ;
Electrical Connection	Pin
Response Time	≤1mS (Up to 90%FS)
Working Temperature	-20°C ~ 80°C
Storage Temperature	-55°C ~ 150°C



WPCK03 Diffused Silicon Pressure Transmitter

Multi output methods available

Pressure range	-100kPa ~ 0 ~ 10kPa...100MPa
Pressure reference	Gauge pressure, absolute pressure, sealed pressure
Power supply	3.3V-5.5VDC (Or others)
Working Current	< 3mADC
Output	I ² C(Pressure/Temperature), 4-20mA, 0.5-4.5V and others
Accuracy	±0.2%FS, ±0.5%FS
Working Temperature	-40 ~ 80°C



WPAK63/WPAK63J General Type Isolation-Film Pressure Sensor

Φ19mm standard OEM pressure core

Detection range	-100kPa ~ 0 ~ 10kPa...100MPa
Pressure Reference	Gauge Pressure/Absolute Pressure/Sealed Gauge Pressure
excitation	1.5mA
Input resistance	2kΩ ~ 5KΩ;
Electrical Connection	Pin or Wiring
Compensation Temperature	≤35kPa: 0°C ~ 60°C, > 35kPa: -10°C ~ 70°C
Working Temperature	-40°C ~ 120°C
Storage Temperature	-40°C ~ 125°C
Lifespan	10×10 ⁶ (Pressure Cycle)



WPCK81 series Level Transmitter

Stainless steel structure

Detection Range	0~1m, 5m...200mH2O
Pressure Reference	Gauge Pressure/Absolute Pressure/Sealed Gauge Pressure
Output	4-20mA(Default); RS485
Accuracy	±0.5%FS(Range > 1m); ±1%FS(Range=1m)
Temperature Drift	35kPa: ±2%FS(0°C ~ 60°C)
Response time	≤1ms(Up to 90%FS)
Working life	≥1×10 ⁶ Pressure cycle
Environment Temperature	-30°C ~ 105°C
Storage Temperature	-40°C ~ 125°C



WPCK07 Diffused Silicon Pressure Transmitter

Multi output methods

Pressure Range	-100kPa ~ 0 ~ 10kPa...100MPa
Pressure Reference	Gauge Pressure/Absolute Pressure/Sealed Gauge Pressure
Output	4-20mA(Default) 0.5-4.5V,0-5V,1-5V,0-10V,1-10V
Accuracy	±0.5%FS
Temperature Drift	35kPa: ±2%FS(0°C ~ 60°C)
Response time	≤1ms(Up to 90%FS)
Working life	≥1×10 ⁶ Pressure cycle
Environment Temperature	-30°C ~ 105°C
Storage Temperature	-40°C ~ 125°C