

WNK5 Series High Precision Pressure Transmitter

■ WNK5 系列高精度智能变送器

WNK5 series pressure transmitter is the high-performance products among WNK pressure transmitter series. It adopts advanced specified integrated circuit digital technology to realize best uniformity of accuracy and signal. Each set of transmitter is ambient temperature compensated, ensured highest accuracy and lowest drift of transmitters in wide working temperature range. Its reference accuracy is up to 0.075%.



Accurate: High accuracy up to 0.075%

Stable: Long-term stability $\pm 0.15\%$ URL for 5 years.

Reliable: Defective free for 50,000 hours.

Hart, Profibus-PA, or FF protocol for option

精度高达0.075%

长期稳定性好

50,000小时无故障

支持Hart、Profibus-PA以及 FF通讯协议

Smart Electronic Switch S series

■ S 系列智能电子开关

S series electronic switches are electronic switch, transmitter and display in one and same device. In their standard configuration they have optional two switching outputs (PNP or NPN), an analog output signal (0...20mA| 4...20 mA or 0...5V| 0...10 V) as well as with RS485 Link. Fast and precise pressure/level/temperature measurement and switch movement; 330°rotation offers easy on-site installation and monitoring.



Various analog output modes available
Analog output range settable
High light switch indicating
OLED self-luminous display
Display reversing 180°
330°rotation, easy installation
Industrial touch button
Support MODBUS

可设置多种模拟输出方式
可设置模拟输出量程
高亮度开关指示
OLED自发光显示
显示可180°翻转
设备主体可330°旋转
工业级触摸按键设计
支持MODBUS通信

SPS Smart Electronic Pressure Switch

■ SPS 智能型压力开关

Measuring range: -0.1...0.1MPa to 60MPa
量程范围: -0.1...0.1MPa至60MPa

Pressure type: Gauge, negative, absolute
压力形式: 表压、负压、绝压

Analog signal output: 0/4...20mA, 20...4/0mA, 0...5/10V, 5/10...0V
模拟信号输出: 0/4...20mA, 20...4/0mA, 0...5/10V, 5/10...0V

Accuracy: $\leq 0.5\%FS$
精度: $\leq 0.5\%FS$

Application:

Mechanical manufacturing, machine tool systems, hydraulic and pneumatic systems, pumps, compressors and etc.
用途描述: 机械制造、机床系统、液压及气动系统、压力监控、泵及压缩机等一般工业领域



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SLS Smart Electronic Level Switch

■ SLS 智能型液位开关

Measuring range: 0...1mH₂O to 100mH₂O
量程范围: 0...1mH₂O至100mH₂O

Analog signal output: 0/4...20mA, 20...4/0mA, 0...5/10V, 5/10...0V
模拟信号输出: 0/4...20mA, 20...4/0mA, 0...5/10V, 5/10...0V

Accuracy: $\leq 0.5\%FS$
精度: $\leq 0.5\%FS$

Application:

General industry such as tank, case, liquid cell and deep well
用途描述: 罐体、箱体、液体池以及深井等一般工业领域



STS Smart Electronic Temperature Switch

■ STS 智能型温度开关

Measuring range: -50...260°C

量程范围: -50...260°C

Analog signal output: 0/4...20mA, 20...4/0mA, 0...5/10V, 5/10...0V

模拟信号输出: 0/4...20mA, 20...4/0mA, 0...5/10V, 5/10...0V

Accuracy : $\leq \pm 0.5^\circ\text{C}$

精度 : $\leq \pm 0.5^\circ\text{C}$

Application:

Temperature monitoring, measurement and control, such as used in cleaning liquid, hydraulic oil, heat-carrying agent and lubricant etc.

用途描述 : 主要用于温度测量、控制和监测操作。

例如在机械制造业的清洁液体、液压油、冷却剂和润滑剂等。



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WNK51 Smart High Accuracy Pressure Transmitter

■ WNK51 智能高精度压力变送器

Pressure range: -100KPa~70MPa

压力范围 : -100KPa~70MPa

High accuracy up to $\pm 0.075\%$

精度高 : 达到 $\pm 0.075\%$

Output: 4-20mA, Hart, Profibus-PA or FF protocol

输出方式 : 4-20mA, Hart, Profibus-PA 或 FF 协议

Application : Gauge, absolute pressure measurement in gases, steam or liquids in various areas of process control field

用途描述 : 测量各种场合下气体、蒸汽或液体的绝压和表压



WNK52 Smart Diaphragm Pressure Transmitter

WNK52 智能隔膜压力变送器

Pressure range: -100KPa~6MPa
压力范围：-100KPa~6MPa

High process temperatures up to 280°C
过程温度可高达280°

High accuracy up to $\pm 0.075\%$
精度高：达到 $\pm 0.075\%$

Output: 4-20mA, Hart, Profibus-PA or FF protocol
输出方式：4-20mA, Hart, Profibus-PA 或FF协议

Application : Gauge, absolute pressure measurement in gases,
steam or liquids in various areas of process control field
用途描述：测量各种场合下气体、蒸汽或液体的绝压和表压



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WNK50 Smart Differential Pressure Transmitter

WNK50 智能差压变送器



Differential pressure range: -40MPa~40MPa
差压范围：-40MPa~40MPa

High accuracy up to $\pm 0.075\%$
精度高：达到 $\pm 0.075\%$

Output: 4-20mA, Hart, Profibus-PA or FF protocol
输出方式：4-20mA, Hart, Profibus-PA 或 FF 协议

Application : Gauge, absolute and differential pressure measurement
in gases, steam or liquids in various areas of process control field
用途描述：测量各种场合下气体、蒸汽或液体的绝压、表压和差压

WNK57 Smart Single Flange Differential Pressure Transmitter

WNK57 智能单法兰差压变送器

Pressure range: -100KPa~4MPa

压力范围：-100KPa~4MPa

High accuracy up to $\pm 0.075\%$

精度高：达到 $\pm 0.075\%$

Output: 4-20mA, Hart, Profibus-PA or FF protocol

输出方式：4-20mA, Hart, Profibus-PA 或 FF 协议

Application : Gauge, absolute and differential pressure measurement in gases, steam or liquids in various areas of process control field

用途描述：测量各种场合下气体、蒸汽或液体的绝压、表压和差压



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WNK58 Smart Double Flanges Differential Pressure Transmitter

WNK58 智能双法兰差压变送器

Pressure range: -100KPa~4MPa

压力范围：-100KPa~4MPa

High accuracy up to $\pm 0.075\%$

精度高：达到 $\pm 0.075\%$

Output: 4-20mA, Hart, Profibus-PA or FF protocol

输出方式：4-20mA, Hart, Profibus-PA 或 FF 协议

Application: Gauge, absolute and differential pressure measurement in gases, steam or liquids in various areas of process control field

用途描述：测量各种场合下气体、蒸汽或液体的绝压、表压和差压



WNK4S Smart Pressure Transmitter

WNK4S 智能压力变送器

Pressure range: -100kPa~70MPa

压力范围：-100kPa~70MPa

Accuracy: $\pm 0.2\%$

精度： $\pm 0.2\%$

Output: 4-20mA, Modbus

输出方式：4-20mA, Modbus

Application: Gauge, absolute pressure measurement in gases, steam or liquids in various areas of process control field

用途描述：测量各种场合下气体、蒸汽或液体的绝压和表压



WNK805 Smart Pressure Transmitter

WNK805 智能压力变送器



Pressure range: 0-0.2~-100kPa, 0-0.2~1000kpa, 60MPa

压力范围：0-0.2~-100kPa, 0-0.2~1000kpa, 60MPa

Accuracy: 0.2, 0.5

精度：0.2, 0.5

Output: 4-20mA, 0~20mA, 0~10mA, 0~20V, 1~5V

输出方式：4-20mA, 0~20mA, 0~10mA, 0~20V, 1~5V

Application: Gauge, absolute pressure measurement in gases, steam or liquids in various areas of process control field

用途描述：测量各种场合下气体、蒸汽或液体的绝压和表压

WNK80MA Small Size Pressure Transmitter

WNK80MA 精小压力变送器

Measuring range: 0-20kPa...25MPa, gauge, absolute pressure
量程范围：0-20kPa...25MPa, 表压, 绝压

Accuracy: $\pm 0.5\%FS$ (typical value)
精度： $\pm 0.5\%FS$ (典型值)

Output signal: 0.5-4.5V, 1-5V, 0-5V, 4-20mA and customization
输出信号: 0.5-4.5V, 1-5V, 0-5V, 4-20mA 等可定制

Measuring medium: liquid, gas and steam compatible with 316L ss
测量介质：与316L不锈钢兼容的液体、气体和蒸汽

Application: Hydraulic and pneumatic control systems, energy and water treatment systems, level measurement, auto detection system, vessel and aviation fields

应用范围：液压及气动控制系统，能源及水处理系统，液位测量，自动检测系统，船舶及航空应用



WNK811WE Ceramic Stainless Steel Mini Pressure Sensor

WNK811WE 陶瓷膜片不锈钢精小压力传感器



Measuring range: 0-1MPa, gauge pressure
量程范围：0-1MPa, 表压

Accuracy: $\pm 10\%FS$ (Overall accuracy $\leq 3\%$, 0-100°C)
精度： $\pm 10\%FS$ (Overall accuracy $\leq 3\%$, 0-100°C)

Output signal: 0.1-3.2V/5VDC Others : $V_{out} = V_{cc}(0.62P + 0.02)$
Note : Vcc=Power supply , P=present pressure , pressure unit MPa.
输出信号: 0.1-3.2V/5VDC 其他 : $V_{out} = V_{cc}(0.62P + 0.02)$
注 : Vcc=供电, P=当前压力, 压力MPa.

Measuring medium: gas or liquid compatible with ceramic
测量介质：水及与陶瓷兼容的气体或液体

Application : Water purification instruments, energy and water treatment system, flow metering equipment, hydraulic and pneumatic control system and etc.

应用范围：净水机械、能源与水处理系统、流量计量设备配套、液压及气动控制系统等

WNK268 Differential Pressure Transmitter for Wind Pressure

WNK268 风压变送器

Pressure range: -10Pa~100Pa, -100KPa~100KPa, gauge pressure, micro differential pressure

压力范围：-10Pa~100Pa, -100KPa~100KPa 表压和微差压

Accuracy: $\pm 0.2\%FS$, $\pm 0.5\%FS$

精度: $\pm 0.2\%FS$, $\pm 0.5\%FS$

Output: 4-20mA, 0~10mA, 0~5V, 1~5V

输出方式：4-20mA, 0~10mA, 0~5V, 1~5V



WNK808B Differential Pressure Transmitter for Wind Pressure

WKN808B 风压变送器



Pressure range: -10Pa~100Pa, -100KPa~100KPa, gauge pressure, micro differential pressure
压力范围：-10Pa~100Pa, -100KPa~100KPa 表压和微差压

Accuracy: $\pm 0.2\%FS$, $\pm 0.5\%FS$

精度: $\pm 0.2\%FS$, $\pm 0.5\%FS$

Output: 4-20mA, 0~10mA, 0~5V, 1~5V

输出方式：4-20mA, 0~10mA, 0~5V, 1~5V

WNK6T Smart High Accuracy Temperature Transmitter

WNK6T 智能高精度温度变送器

Measuring range: -270~800°C (PT100 thermal resistor), 0~1300°C, (Thermocouple K)
测量范围：-270~800°C (PT100热电阻)，0~1300°C, (热电偶K型)

Input : Thermocouple, RTD, Resistive sensor, MV
输入方式：热电偶、热电阻、电阻式传感器、毫伏传感器

High accuracy up to $\pm 0.075\%$
精度高：达到 $\pm 0.075\%$

Output: 4-20mA, Hart, Profibus-PA or FF protocol
输出方式：4-20mA, Hart, Profibus-PA or FF 协议

Application: measuring temperature of gas, steam, liquid in various fields
用途描述：测量各种场合下气体、蒸汽或液体的温度



WNK6XT Smart Multi-channel Temperature Transmitter

WNK6XT 智能多通道温度变送器



Measuring range: -270~800 °C (PT100 thermal resistor), 0~1300°C (Thermocouple K)
测量范围：-270~800 °C (PT100热电阻)，0~1300°C (热电偶K型)

Output: 4-20mA, Profibus-DP
输出方式：4-20mA, Profibus-DP

Application: measuring temperature of gas, steam, liquid in various fields,
multichannel output signals at the same time , increase security of on-site monitoring
用途描述：测量各种场合下气体、蒸汽或液体的温度, 多通道同时输出，增加现场监控的安全性

WNK65 Smart Temperature Transmitter

■ WNK65 智能温度变送器模块

Power supply: DC 9V ~ 32V
供电范围：DC 9V ~ 32V

Input : Thermocouple, RTD, Resistive sensor, MV
输入方式：热电偶、热电阻、电阻式传感器、毫伏传感器

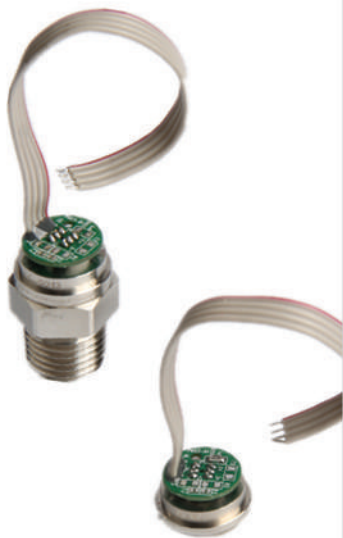
Output: 4-20mA/Hart
输出方式：4-20mA/Hart

Application: connected with different temperature sensor,
widely applied to power, petrol, chemical, steel scientific
用途描述：与不同的温度传感器连接，可广泛用于电力、石油、
化工、冶金等行业的温度测量



WA16 Diffused Silicon Oil Filled Weldable Pressure Sensor

■ WA16 可焊接扩散硅充油压力传感器



Measuring range: 0-40kPa...7Mpa , gauge, absolute pressure
量程范围：0-40kPa...7Mpa , 表压, 绝压

Output signal: 0-100mV
输出信号: 0-100mV

Accuracy: $\leq 40\text{kPa} \pm 0.20\%FS$; $> 40\text{kPa} \pm 0.10\%FS$
精度： $\leq 40\text{kPa} \pm 0.20\%FS$; $> 40\text{kPa} \pm 0.10\%FS$

Measuring medium: Compatible with 316L, suitable for corrosive media
测量介质：用于测量所有与316L不锈钢兼容的压力介质

Application: Automation control, pressure instruments, level measurement,
pressure transmitters

应用范围：自动化控制, 压力仪表, 液位测量, 压力变送器

WA18 Diffused Silicon Oilless Pressure Sensor

WA18 扩散硅无油压力传感器

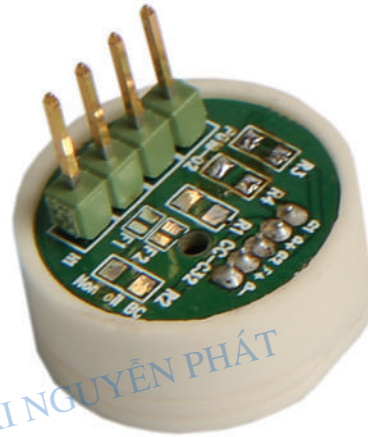
Measuring range: 0-40Kpa...2.5Mpa , gauge pressure
量程范围 : 0-40Kpa...2.5Mpa, 表压

Accuracy: $\pm 0.20\%FS$;
精度 : $\pm 0.20\%FS$;

Output signal: 0-100mV
输出信号: 0-100mV

Measuring medium: non-corrosive gas and liquid
测量介质 : 用于测量无腐蚀性气体和液体

Application: Automation control, pressure instruments,
level measurement, pressure transmitters
应用范围 : 自动化控制、水处理、空气压缩机、压力变送器



WA19 Diffused Silicon Oil Filled Analog Pressure Sensor

WA19 扩散硅充油模拟型压力传感器

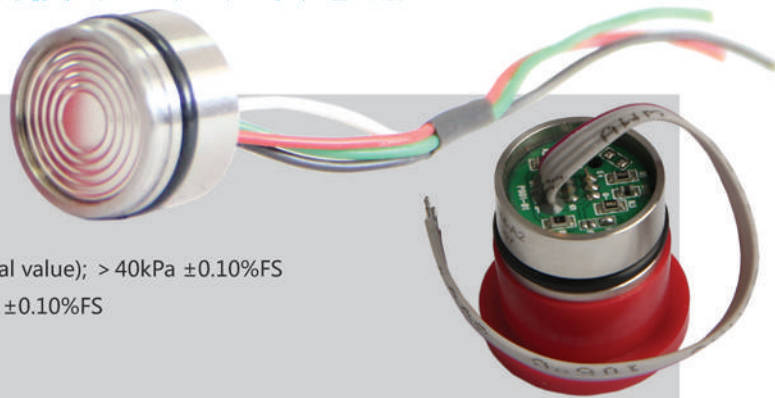
Measuring range: 0-40Kpa...7Mpa
量程范围 : 0-40Kpa...7Mpa

Accuracy: $\leq 40kPa \pm 0.20\%FS$ (typical value); $> 40kPa \pm 0.10\%FS$
精度 : $\leq 40kPa \pm 0.20\%FS$; $> 40kPa \pm 0.10\%FS$

Output signal: 0-100mV
输出信号: 0-100mV

Measuring medium: gas and liquid compatible with 316L
测量介质 : 和316L兼容的气体 and 液体

Application: Automation control, pressure instruments, level measurement, pressure transmitters
应用范围 : 自动化控制、压力仪表、液位测量、压力变送器



WD19 Diffused Silicon Oil Filled Digital Pressure Sensor

WD19 扩散硅充油数字型压力传感器



Measuring range: 0-40Kpa...7Mpa
量程范围：0-40Kpa...7Mpa

Accuracy: $\leq 40\text{kPa} \pm 0.20\%FS$ (typical value); $> 40\text{kPa} \pm 0.10\%FS$
精度： $\leq 40\text{kPa} \pm 0.20\%FS$; $> 40\text{kPa} \pm 0.10\%FS$

Communication: I²C or SPI
通讯协议：I²C 或 SPI

Measuring medium: gas and liquid compatible with 316L
测量介质：和316L兼容的气体 and 液体

Application: Automation control, pressure instruments,
level measurement, pressure transmitters
应用范围：自动化控制、压力仪表、液位测量、压力变送器

WNK05 Capacitive Pressure Sensor

WNK05 电容式压力传感器

Measuring range: 0-0.16Kpa...40Mpa AP, DP, GP,
and high hydrostatic pressure
量程范围：0-0.16Kpa...40Mpa 表差、表差、绝压、高静压

Accuracy: 0.1% 0.2% 0.5%
精度：0.1% 0.2% 0.5%

Stability : 0.2%FS per year
稳定性：年稳定性为最大量程的0.2%

Temperature range:-40°C ~ 104°C
温度范围：-40°C ~ 104°C

Influence of ambient temp.: Zero error $\pm 0.25\%FS/10^\circ C$
环境温度影响：零点误差为量程的 $\pm 0.25\%/10^\circ C$

Application: Chemical, Power, Steel and other industrial field.
应用范围：化工、电力、钢铁和其他工业领域。

