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Nanjing Wotian Technology Co., Ltd.

南 京 沃 天 科 技 股 份 有 限 公 司

PRESSURE SENSOR

PC10

CHARACTERISTICS

- All 316L material; highly reliable imported pressure chip
- Φ19mm
- Perfect long term stability
- Working temp.: -40°C～125°C
- Compensation board filled with glue for protection against moisture
- 18-month warranty period

APPLICATION

- Process control systems
- Instrumentation
- Automatic control system pressure measurement

MONOCRYSTALLINE SILICON DIFFERENTIAL PRESSURE SENSOR

PC90D

APPLICATION

- Differential pressure transmitter core components
- Differential pressure flow transmitter core components

CHARACTERISTICS

- Imported high stability differential pressure chip
- Unidirectional overpressure limit up to 40MPa
- 316L stainless steel all–welded structure
- Accuracy: 0.1%F.S. (typical), good long–term stability

PRESSURE TRANSMITTER

PCM320

CHARACTERISTICS

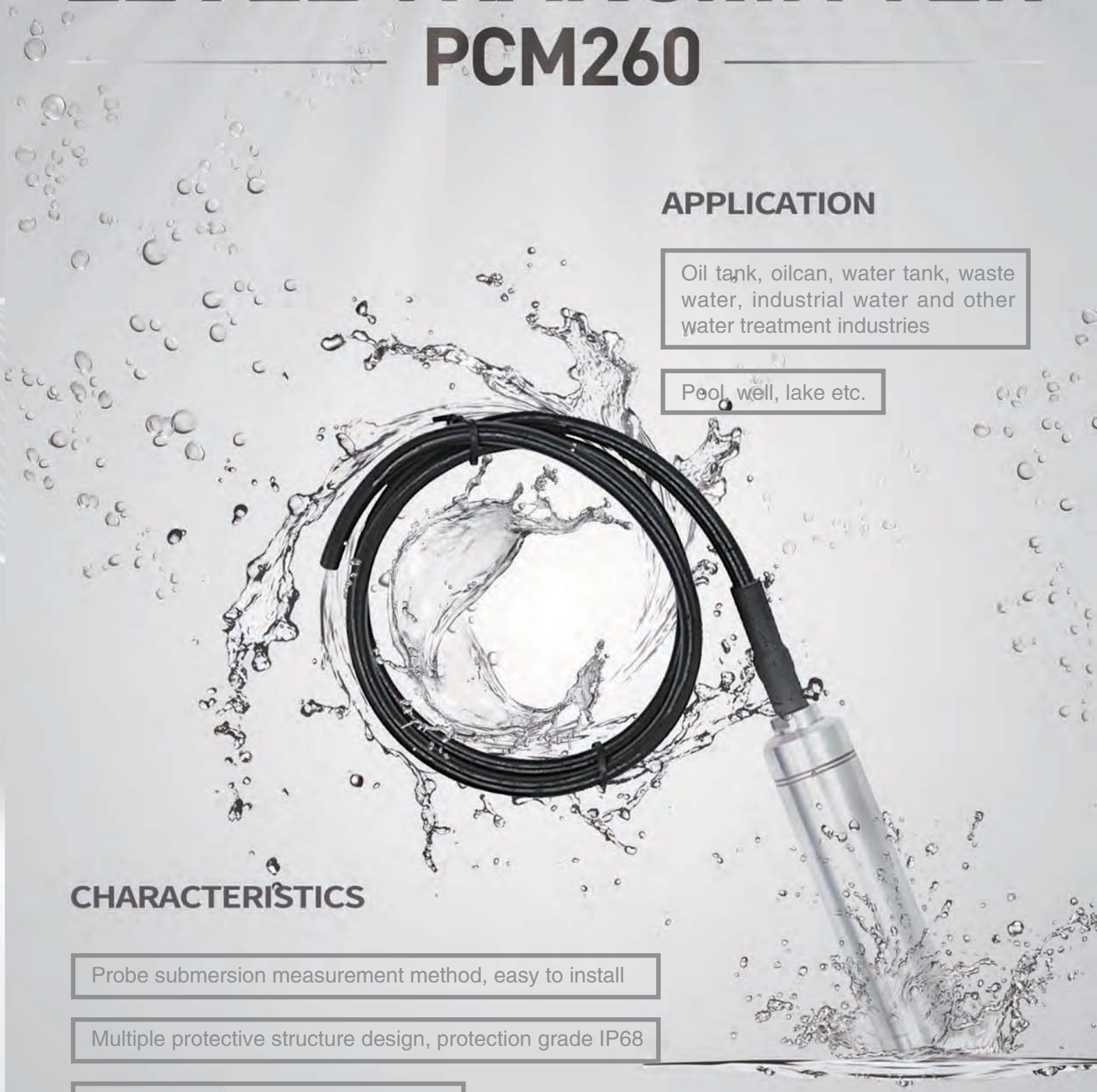
- 316L stainless steel isolation diaphragm structure
- Strong anti-interference, good long-term stability
- Diversified electrical connection options, small size & light weight
- In stock, fast delivery

APPLICATION

Process control, industrial pressure measurement

LEVEL TRANSMITTER

PCM260



APPLICATION

- Oil tank, oilcan, water tank, waste water, industrial water and other water treatment industries
- Pool, well, lake etc.

CHARACTERISTICS

- Probe submersion measurement method, easy to install
- Multiple protective structure design, protection grade IP68
- Water and oil resistant cable adopted
- 26.5mm, 19mm and 15.8mm probe diameter options, suitable for various industrial applications

PC10 Piezoresistive Silicon Pressure Sensor (Φ19 x 14mm)

Pressure ref.: gauge pressure, absolute pressure, sealed gauge pressure
Ranges: –100kPa…0~10kPa…100MPa
Excitation: 1.5mA (constant current)
10V (constant voltage)
Compensated temp.: 0℃ ~60℃ (< 70kPa)
–10℃ ~70℃ (⩾ 70kPa)
Zero output: ±2mV
Span output: ⩾ 35mV (10kPa, 1.5mA)
⩾ 60mV (other ranges, 1.5mA)
50mV ± 2mV (10kPa, 10V)
100mV ± 2mV (other ranges, 10V)
Accuracy: ±0.25%FS
Input impedance: 2kΩ~5kΩ (constant current)
3kΩ~18kΩ (constant voltage)
Operating temp.: –40℃ ~125℃
Housing and diaphragm: SS316L
Filling oil: silicon oil

PC10AU Piezoresistive Silicon Pressure Sensor (Φ19 x 14mm)

Pressure ref.: gauge pressure, absolute pressure, sealed gauge pressure
Ranges: –100kPa~0~100kPa…100MPa
Excitation: 1.5mA (constant current)
10V (constant voltage)
Compensated temp.: –10℃ ~70℃
Zero output: ±2mV
Span output: ⩾ 60mV (1.5mA)
100mV ± 2mV (10V)
Accuracy: ±0.25%FS
Input impedance: 2kΩ~5kΩ (constant current)
3kΩ~18kΩ (constant voltage)
Operating temp.: –40℃ ~125℃
Housing and diaphragm: SS316L
Filling oil: silicon oil

PC10P Piezoresistive Silicon Pressure Sensor (Φ19 x 12.5mm)

Pressure ref.: gauge pressure, absolute pressure, sealed gauge pressure
Ranges: –100kPa~0~10kPa…60MPa
Excitation: 1.5mA(constant current)
10V(constant voltage)
Compensated temp.: 0℃ ~60℃ (⩽ 70kPa)
–10℃ ~70℃ (>70kPa)
Zero output: ±2mV
Span output: ⩾ 30mV (10kPa,1.5mA)
60mV~150mV (other ranges,1.5mA)
⩾ 60mV (10kPa, 10V)
100mV ± 2mV (other ranges, 10V)
Accuracy: ±0.25%FS
Input impedance: 2kΩ~5kΩ (constant current)
3kΩ~18kΩ (constant voltage)
Operating temp.: –40℃ ~125℃
Housing and diaphragm: SS316L
Filling oil: silicon oil

PC10D Piezoresistive Silicon Differential Pressure Sensor (Φ19 x 27.6mm)

Pressure ref.: differential pressure
Ranges: 0~10kPa…2.5MPa
Excitation: 1.5mA(constant current)
10V(constant voltage)
Compensated temp.: 0℃ ~60℃ (< 70kPa)
–10℃ ~70℃ (⩾ 70kPa)
Zero output: ±2mV
Span output: ⩾ 30mV (10kPa, 1.5mA)
⩾ 60mV (other ranges, 1.5mA)
50mV ± 2mV (10kPa, 10V)
100mV ± 2mV (other ranges, 10V)
Accuracy: ±0.25%FS
Input impedance: 2kΩ~5kΩ (constant current)
3kΩ~18kΩ (constant voltage)
Operating temp.: –40℃ ~125℃
Housing and diaphragm: SS316L
Filling oil: silicon oil
Static pressure: 16Mpa

PC9 Piezoresistive Silicon Pressure Sensor (Φ19 x 11.5mm)

Pressure ref.: gauge pressure, absolute pressure, sealed gauge pressure
Ranges: –100kPa…0~10kPa…10MPa
Excitation: 1.5mA (constant current)
10V (Constant voltage)
Compensated temp.: 0℃ ~60℃ (< 70kPa)
–10℃ ~70℃ (⩾ 70kPa)
Zero output: ±2mV
Span output: ⩾ 35mV (10kPa,1.5mA)
⩾ 60mV (other ranges,1.5mA)
50mV ± 2mV (10kPa, 10V)
100mV ± 2mV (other ranges,10V)
Accuracy: ±0.25%FS
Input impedance: 2kΩ~5kΩ (constant current)
3kΩ~18kΩ (constant voltage)
Operating temp.: –40℃ ~125℃
Housing and diaphragm: SS316L
Filling oil: silicon oil

PC16 Piezoresistive Silicon Pressure Sensor (Φ15.8 x 11mm)

Pressure ref.: gauge pressure, absolute pressure, sealed gauge pressure
Ranges: –100kPa~0~100kPa…25MPa
Excitation: 1.5mA (constant current)
10V (constant voltage)
Compensated temp.: –10℃ ~70℃
Zero output: ±2mV
Span output: ⩾ 60mV (1.5mA)
100mV ± 2mV(10V)
Accuracy: ±0.25%FS
Input impedance: 2kΩ~5kΩ (constant current)
3kΩ~18kΩ (constant voltage)
Operating temp.: –40℃ ~125℃
Housing and diaphragm: SS316L
Filling oil: silicon oil

PC13 Piezoresistive Silicon Pressure Sensor(Ⅰ: Φ12.6 × 15mm; Ⅱ : Φ12.6 × 9mm)

Pressure ref.: gauge pressure, absolute pressure, sealed gauge pressure
Ranges: 0~6MPa···100MPa
Excitation: 1.5mA(constant current)
Compensated temp.: –10℃ ~70℃
Zero output: ± 2mV
Span output: ⩾ 60mV(1.5mA)
Accuracy: ± 0.25%FS
Input impedance: 2kΩ ~5kΩ
Operating temp.: –40℃ ~125℃
Housing and diaphragm: SS316L
Filling oil: silicon oil

P19 High Stability Piezoresistive Silicon Pressure Sensor (Φ19 × 11.5mm)

Pressure ref.: gauge pressure, absolute pressure, sealed gauge pressure
Ranges: –100kPa···0~7kPa···100MPa
Excitation: constant current: 1.5mA
Compensated temp.: constant current:
0℃ ~70℃ (⩽ 35kPa)
–10℃ ~80℃ (other ranges)
Zero output: ± 2mV
Span output: ⩾ 50mV
Accuracy: ± 0.25%FS (typical)
Long term stability: ± 0.1%FS/year
Input impedance: 3kΩ ~8kΩ
Operating temp.: –40℃ ~125℃
Housing and diaphragm: SS316L
Filling oil: silicon oil

X19 Piezoresistive Silicon Pressure Sensor (Φ19 × 14mm)

Pressure ref.: gauge pressure
Measuring medium: clean gas
Ranges: 0···250Pa···10kPa
Excitation: 1.5mA (constant current)
Compensated temp.: 0℃ ~50℃
Zero output: ± 2mV
Span output: ⩾ 30mV
Accuracy: ± 0.25%FS
Input impedance: 2kΩ ~5kΩ
Operating temp.: –20℃ ~85℃
Material: SS316L

PC20 Temperature and Pressure Integrated Pressure Sensor (Φ19 × 14mm)

Pressure ref.: gauge pressure, absolute pressure, sealed gauge pressure
Ranges: –100kPa~0~10kPa···100MPa
Temp. sensor: PT100, PT1000
Excitation: 1.5mA (constant current)
10V (constant voltage)
Compensated temp.: –10℃ ~70℃
Zero output: ± 2mV
Span output: ⩾ 60mV (other ranges)
Accuracy: 0.25%FS
Input impedance: 2kΩ ~5kΩ (constant current)
3kΩ ~18kΩ (constant voltage)
Operating temp.: –40℃ ~120℃
Housing and diaphragm: SS316L
Filling oil: silicon oil

PC7 Pressure Sensor (Φ10mm)

Pressure ref.: gauge pressure, absolute pressure
Ranges: 1MPa···60MPa
Excitation: 1.5mA(constant current)
5V(constant voltage)
Zero output: ± 30mV
Span output: ⩾ 60mV
Accuracy: ± 0.25%FS
Input impedance: 2kΩ ~5kΩ
Operating temp.: –40℃ ~125℃
Housing and diaphragm: SS316L
Filling oil: silicon oil
Without temp. compensation or compensation board exposed

PC8 Piezoresistive Silicon Pressure Sensor (Φ15 × 13mm)

Pressure ref.: absolute pressure, sealed gauge pressure
Ranges: 0~1.6MPa···100MPa
Excitation:1.5mA(constant current)
Compensated temp.: –10℃ ~70℃
Zero output: ± 2mV
Span output: ⩾ 60mV(1.5mA)
Accuracy: ± 0.25%FS
Input impedance: 2kΩ ~5kΩ
Operating temp.: –40℃ ~125℃
Housing and diaphragm: SS316L
Filling oil: silicon oil

PC11 Non–welded Pressure Sensor

Pressure ref.: gauge pressure, absolute pressure, sealed gauge pressure
Ranges: –100kPa…0~10kPa…100MPa
Excitation: 1.5mA (constant current)
10V (constant voltage)
Compensated temp.:
Constant current: ≤ 70kPa 0℃ ~60℃
Other ranges: –10℃ ~70℃
Constant pressure: –20℃ ~85℃
Zero output: ±2mV
Accuracy: ±0.25%FS
Input impedance: 2kΩ~5kΩ (constant current)
3kΩ~18kΩ (constant voltage)
Operating temp.: –40℃ ~125℃
Housing: SS304
Diaphragm: SS316L
Filling oil: silicon oil

PC11B All–welded Pressure Sensor

Pressure ref.: gauge pressure, absolute pressure, sealed gauge pressure
Ranges: –100kPa…0~10kPa…100MPa
Excitation: 1.5mA(constant current)
10V(constant voltage)
Compensated temp.: 0℃ ~60℃ (< 70kPa)
–10℃ ~70℃ (≥ 70kPa)
Zero output: ±2mV
Span output: 1.5mA
excitation: ≥ 40mV (≤ 35kPa)
60~150mV(other ranges)
10V excitation: ≥ 60mV (≤ 35kPa)
80~120mV (other ranges)
Accuracy: ±0.25%FS
Input impedance: 2kΩ~5kΩ (constant current)
3kΩ~18kΩ (constant voltage)
Operating temp.: –40℃ ~125℃
Housing: SS304
Diaphragm: SS316L
Filling oil: silicon oil

PC12 Flush Pressure Sensor

Pressure ref.: gauge pressure, absolute pressure, sealed gauge pressure
Ranges: 0~35kPa…10MPa
Excitation: 1.5mA(constant current)
10V(constant voltage)
Compensated temp.: 0℃ ~60℃ (35kPa)
–10℃ ~70℃ (other ranges)
Zero output: ±2mV
Span output: ≥ 60mV
Accuracy: ±0.25%FS
Input impedance: 2kΩ~5kΩ
Operating temp.: –40℃ ~125℃
Housing and diaphragm: SS316L
Filling oil: silicon oil

PC12III Flush Pressure Sensor with thread

Pressure ref.: gauge pressure, absolute pressure, sealed gauge pressure
Ranges: 0~35kPa…10MPa
Excitation: 1.5mA (constant current)
10V (constant voltage)
Compensated temp.: 0℃ ~60℃ (≤ 70kPa)
–10℃ ~70℃ (>70kPa)
Accuracy: ±0.25%FS
Input impedance: 2kΩ~5kΩ (constant current)
5kΩ~18kΩ (constant voltage)
Operating temp.: –40℃ ~125℃
Diaphragm material: SS316L
Filling oil: silicon oil

PC112K Flush Pressure Sensor with Tri Clamp

Pressure ref.: gauge pressure, absolute pressure, sealed gauge pressure
Ranges: –100kPa~0~10kPa…10MPa
Excitation: 1.5mA (constant current)
10V (constant voltage)
Compensated temp.: 0℃ ~60℃ (< 70kPa)
–10℃ ~70℃ (≥ 70kPa)
Zero output: ±2mV
Span output: 1.5mA excitation:
≥ 40mV (≤ 35kPa)
≥ 60mV (other ranges)
Accuracy: ±0.25%FS
Input impedance: 2kΩ~5kΩ (constant current)
Operating temp.: –40℃ ~120℃
Tri clamp and diaphragm: SS316L
Filling oil: M20

PCM10 Intelligent Pressure Sensor (Φ19 × 14mm)

Pressure ref.: gauge pressure, absolute pressure, sealed gauge pressure
Ranges: 0~35kPa…6MPa
Excitation: 5V, 3.3V
Compensated temp.: 0℃ ~60℃ (< 70kPa)
–10℃ ~70℃ (≥ 70kPa)
Output: 0.5~4.5V ratio metric (5V)
I2C (3.3V)
Accuracy: ±0.5%FS (typical)
Operating temp.: –40℃ ~125℃
Housing and diaphragm: SS316L
Filling oil: silicon oil

PCM302 Explosion-proof Pressure Transmitter

Pressure ref.: gauge pressure, absolute pressure, sealed gauge pressure
Ranges: –100kPa…0~35kPa…60MPa
Output signal: 4~20mA
Supply: 24VDC
Accuracy: 0.5%FS (typical)
Operating temp.: –40℃ ~125℃
Temp. drift: 1.5%FS (–20℃ ~85℃)
Housing: SS304
Sensor material: SS316L
Protection: IP65

PC91 Monocrystalline Silicon Pressure Sensor

Ranges: 6kPa, 35kPa, 250kPa, 1MPa,
3MPa, 10MPa, 20MPa, 40MPa
Excitation: 5V constant voltage
Operating temp.: –40℃ ~85℃
Housing: SS304
Diaphragm: SS316L, Hastelloy C
Filling oil: silicon oil

PC90D Monocrystalline Silicon Differential Pressure Sensor

Pressure ref.: differential pressure
Ranges: 6kPa, 40kPa, 100kPa, 250kPa,
1MPa, 3MPa
Excitation: 5V constant voltage
Output voltage: 60~140mV
Accuracy: ±0.075%FS
Input impedance: 5kΩ~7kΩ
Operating temp.: –40℃ ~85℃
Housing: SS316L
Diaphragm: SS316L
Filling oil: silicon oil

PCM300 Universal Pressure Transmitter

Pressure ref.: gauge pressure, absolute pressure, sealed gauge pressure
Ranges: –100kPa…0~10kPa…100MPa
Output signal: 4~20mA, 0.5~4.5V, 1~5V, 0~5V
Supply：24VDC, 12VDC, 5VDC
Accuracy: 0.5%FS
Operating temp.: –40℃ ~125℃
Temp. drift: 1.5%FS (–20℃ ~85℃)
Housing: SS304
Sensor material: SS316L
Electrical connection: Hirschmann, cable outlet
Protection: IP65

PCM303D Universal Pressure Transmitter

Pressure ref.: gauge pressure, absolute pressure, sealed gauge pressure
Ranges: –100kPa…0~10kPa…100MPa
Output and supply: 4~20mA, 0~5V, 1~5V
0~10V, 1~10V (12~30VDC)
0.5~4.5V R/M (5VDC)
Accuracy: 2%FS (–5~5kPa)
0.5%FS (other ranges)
Operating temp.: –40℃ ~125℃
Housing: SS304
Sensor material: SS316L
Protection: IP65

PCM308 Pressure Transmitter for Hydraulic Industry

Pressure ref.: gauge pressure, absolute Pressure,sealed gauge pressure
Ranges: –100kPa…0~100kPa…60MPa
Output signal: 4~20mA(24VDC)
0.5~4.5V R/M
0~10V (24VDC)
Accuracy: 0.5%FS
Operating temp.: –40℃ ~85℃
Temp. drift: 1.5%FS
Housing: SS316L
Sensor material: SS316L
Protection: IP65

PCM320 Pressure Transmitter for Compressor(Diameter: Φ23.5mm)

Pressure ref.: gauge pressure, absolute pressure, sealed gauge pressure
Ranges: –100kPa…0~10kPa…100MPa
Output and supply: 4~20mA, 0~5V
0~10V (12~30VDC)
0.5~4.5V R/M (5VDC)
Accuracy: 0.5%FS (typical)
Operating temp.: –40℃ ~125℃
Temp. drift: 1.5%FS (–20℃ ~85℃)
Housing: SS304
Sensor material: SS316L
Protection: IP65

PCM390 Pressure Transmitter

Pressure ref.: gauge pressure,absolute pressure,sealed gauge pressure
Ranges: 0~100kPa…10MPa
Output and supply: 4~20mA, 0.5~4.5V
RM (5VDC) 0~10V
Accuracy: ±0.5%FS (typ.) ; ±1%FS (max.)
Operating temp.: –20℃ ~80℃
Medium temp.: –30℃ ~105℃
Housing: SS304
Wetted part: SS316L
Protection: IP65
Dielectric strength：1800V/AC 1min

PCM391 Pressure Transmitter

Pressure ref.: gauge pressure,absolute pressure,sealed gauge pressure
Ranges: 0~100kPa…5MPa
Output and supply: 4~20mA, 0.5~4.5V
RM (5VDC) 0~10V
Accuracy: ±0.5%FS (typ.); ±1%FS (max.)
Operating temp.: –20℃ ~80℃
Medium temp.: –30℃ ~105℃
Housing: SS304
Wetted part: SS316L
Protection: IP65
Dielectric strength：1800V/AC 1min

PCM340 Non–cavity Flush Pressure Transmitter

Pressure ref.: gauge pressure
Ranges: 0~1.6MPa…150MPa
Output and supply: 4~20mA, 1~5V
0~5V (9~30VDC)
0~10V (12~30VDC)
Accuracy: 0.5%FS (typical)
Operating temp.: –40℃ ~85℃
–40℃ ~120℃ optional
Temp. drift: 1.5%FS (–20℃ ~85℃)
Housing: SS17–4PH
Protection: IP65

PCM350 Sanitation Flush Pressure Transmitter

Pressure ref.: gauge pressure, absolute pressure, sealed gauge pressure
Ranges: –100kPa…0~35kPa…10MPa
Output signal: 4~20mA, 0.5~4.5V, 1~5V, 0~5V
Supply: 24VDC, 12VDC, 5VDC
Accuracy: 0.5%FS (typical)
Operating temp.: –40℃ ~85℃
Temp. drift: 1.5%FS (–10℃ ~70℃)
Housing: SS304
Wetted part: SS316L
Electrical connection: DIN43650
Protection: IP65

PCM1350 Sanitation Flush Pressure Transmitter

Pressure ref.: gauge pressure, absolute pressure, sealed gauge pressure
Ranges: –100kPa…0~35kPa…2.5MPa
Output signal: 4~20mA, 0~5V,0.5~4.5V
Supply: 5VDC,12VDC, 24VDC
Accuracy: 0.5%FS (typical)
Operating temp.: –40℃ ~125℃
Compensation temp.: –10℃ ~70℃
Electrical connection: DIN43650
Sensor material: SS316L
Protection: IP65

PCM400 Pressure Transmitter

Pressure ref.: gauge pressure, absolute pressure, sealed gauge pressure
Ranges: –100kPa…0~20kPa…60MPa
Output and supply: 4~20mA (18~36V)
4~20mA with display (12~36V)
1~5V, 0~5V, 0.5~4.5V
Accuracy: 0.5%FS (typical)
Operating temp.: –20℃ ~85℃
Medium temp.: –20℃ ~85℃
Housing: low copper aluminum alloy
Diaphragm: SS316L
Protection: IP65
Ex–proof: Ex ia II CT6

PCM450 Flush Pressure Transmitter with Flange

Pressure ref.: gauge pressure, absolute pressure,sealed gauge pressure
Ranges: –100kPa…0~0.2kPa…10MPa
Output and supply: 4~20mA, 4~20mA+HART (24V)
Accuracy: 0.3%FS; 0.5%FS
Operating temp.: –30℃ ~80℃
–30℃ ~70℃ (with LCD)
Temp. drift: 2%FS/55℃
Housing: Die–casting aluminum epoxy resin coating
Sensor material: SS316L
Filling oil: silicon oil
Flange: DN25, DN50, DN80
Protection: IP65

PCM3051–RD RG Intelligent Remote Differential Pressure Transmitter

Pressure ref.:pressure
Ranges:0~6kPa…3MPa
Output signal: 4~20mA+HART protocol(12V–32V, 24V typical)
Accuracy: ±0.1%FS
Ambient temp.: –30℃ ~80℃
–30℃ ~70℃ (with LCD)
Medium temp.: –40℃ ~125℃
Storage temp:–20℃ ~70℃
Filling oil: silicon oil
Protection: IP67
Ex–proof: Ex d IIC T6 Gb

PCM2051–AP、GP Intelligent Pressure Transmitter

Pressure ref.: gauge pressure,absolute pressure, sealed gauge pressure
Ranges: –100kPa…0~6kPa…40MPa
Output signal: 4~20mA+HART
Supply: 12V~32V, 24VDC
Accuracy: ±0.075%FS; ±0.1%FS
Ambient temp.: –30℃ ~80℃
–30℃ ~70℃ (with LCD)
Housing: low copper aluminum alloy
Diaphragm: SS316L
Protection: IP67
Ex–proof: Ex d IIC T6 Gb

PCM3051–DP Intelligent Pressure Transmitter

Pressure ref.: differential pressure
Ranges: –100KPa…1KPa…3MPa
Output and supply: 4~20mA+HART protocol(12V–32V, 24V typical)
Accuracy: ±0.075%FS; ±0.1%FS
Operating temp.: –30℃ ~80℃
–30℃ ~70℃ (with LCD)
Medium temp.: –40℃ ~120℃
Housing: Die–casting aluminum epoxy resin coating
Filling oil: silicon oil
Protection: IP67
Ex–proof: Ex d IIC T6 Gb

PCM3051–W–DP Intelligent Differential Pressure Transmitter

Pressure ref.: differential pressure
Ranges: –100KPa…1KPa…3MPa
Output signal: 4~20mA+HART protocol(12V–32V, 24V typical)
Accuracy: ±0.075%FS ±0.1%FS
Ambient temp.: –30℃ ~80℃
–30℃ ~70℃ (with LCD)
Medium temp.: –40℃ ~125℃
Filling oil: silicon oil
Protection: IP67
Ex–proof: Ex d IIC T6 Gb

PCM260 Submersible Pressure/Level Transmitter

Ranges: 0~1m···20m H_2O
Other ranges: customized
Output and supply: 4~20mA (18~36V)
4~20mA with display (12~36V)
1~5V, 0~5V, 0.5~4.5V
Accuracy: 0.5%FS (typical)
Operating temp.: –20℃ ~85℃
Temp. drift: 1.5%FS (within compensated temp.)
Medium temp.: –10℃ ~70℃
Housing: SS304, SS316L
Sensor material: SS316L
Electrical connection: 2088 housing
2088 housing with display, cable outlet
Protection: IP68

PCM266 Intelligent Level Transmitter (Φ26.5mm)

Ranges: 0~1m···20m H_2O
Other ranges and output: customized
Supply: 12~36V
Output: 4~20mA+Hart, RS485–MODBUS
Accuracy: 0.5%FS (typical)
Operating temp.: –20℃ ~85℃
Temp. drift: 1.5%FS (within compensated temp.)
Medium temp.: –10℃ ~70℃
Housing: SS304, SS316L
Sensor material: SS316L
Protection: IP68

PCM269 Small Diameter Level Transmitter (Φ15.8mm)

Ranges: 0~2m···100m H_2O
Other ranges: customized
Output signal: 4~20mA
Supply: 24VDC
Accuracy: 0.5%FS (typical)
Operating temp.: –20℃ ~85℃
Temp. drift: 1.5%FS (within compensated temp.)
Medium temp.: –10℃ ~70℃
Housing: SS316L
Sensor material: SS316L
Protection: IP68

PCU01 Ultrasonic Level Transmitter

Ranges: 5m, 10m, 15m···60m H_2O
Output signal: 4~20mA/510Ω load
Supply: 24V DC, 220V AC ± 15% 50Hz
Accuracy: 0.5%FS (typical)
Ambient temp.: Display instrument –20℃ –60℃
probe –20℃ –80℃
Communication: RS485 or RS232
Protection: Display instrument: IP65
Probe: IP68

PCM560 Digital Pressure Gauge (Φ60mm)

Pressure ref.: gauge pressure
Ranges: 0~160kPa···25MPa
Supply: 2 Triple A batteries
Accuracy: 1%FS (typical)
Operating temp.: –10℃ ~70℃
Electrical protection: anti–electromagnetic interference design
Over pressure: 150%FS
Housing: SS304
Diaphragm: SS316L

PCM580 Digital Pressure Gauge (Φ80mm)

Pressure ref.: gauge pressure, absolute pressure, sealed gauge pressure
Ranges: –100kPa···0~10kPa···100MPa
Supply: 2 Triple A batteries
Accuracy: 0.5%FS (typical)
Operating temp.: –10℃ ~70℃
Electrical protection: anti–electromagnetic interference design, EN61326
Over pressure: < 40MPa 150%F.S.
≥ 40MPa 120%F.S.
Housing: SS304
Diaphragm: SS316L

PCM1610 Small Size Monocrystalline Silicon Differential Pressure Transmitter

Pressure ref.: differential pressure
Ranges: 0~2kPa···3MPa
Output signal: 4~20mA+RS485
Supply: 16~30VDC
Operating temp.: –40~85℃
Storage temperature: –40℃ ~125℃
Accuracy: 0.2%FS
temp. drift: 0.5%FS (–20~70℃)
Housing: stainless steel
Protection: IP65

PCM610 Differential Pressure Transmitter

Pressure ref.: differential pressure
Ranges: 0~10kPa···2.5MPa
Output and supply: 4~20mA(16~36VDC)
0~5V(12~36VDC)
Accuracy: 0.5%FS (typical)
Operating temp.: –10℃ ~70℃
Housing: SS304
Sensor material: SS316L
Electrical connection: DIN43650
Protection: IP65

PCM600 Differential Pressure Transmitter

Pressure ref.: differential pressure
Ranges: 0~500Pa···100kPa
Output and supply: 4~20mA (16~36V)
Accuracy: 2%FS (500Pa, 1kPa, 2kPa)
1.5%FS (5kPa, 7kPa, 10kPa)
0.5%FS (10kPa~100kPa)
Operating temp.: 0℃ ~60℃
Zero temp. drift: 3%FS (0℃ ~50℃)
Span temp. drift: 3%FS (0℃ ~50℃)
Housing: stainless steel aluminium alloy
Electrical connection: cable outlet

PCM380 Intelligent Pressure Transmitter

Pressure ref.: gauge pressure, absolute pressure,sealed gauge pressure
Ranges: –100kPa···0~10kPa···60MPa
Output signal: 4~20mA+hart protocol
4~20mA+RS485 protocol
Accuracy: ±0.3%FS
Operating temp.: –20℃ ~85℃
Medium temp.:–30℃ ~105℃
Housing: SS304
Protection: IP65

PCM710 Intelligent Pressure Switch

Pressure ref.: gauge pressure, absolute pressure, sealed gauge pressure
Ranges: 0~10kPa···40MPa
Over pressure: 150~300%FS
Supply: 12~30V (24V recommend)
Display mode: 4 digital OLED display
Output signal: PNP, NPN +4–20mA
Operating temp.: –25℃ ~80℃
Storage temperature: –40℃ ~100℃
Load capacity: ⩽ 24V 250mA
Accuracy: 0.2%FS; 0.5%FS
Housing: SS304
Diaphragm: SS316L
Protection: IP65

PCT710 Intelligent Temperature Switch

Ranges: –50℃ ~150℃
Accuracy: 0.5%FS (typical)
Resolution: 0.1℃
Supply: 12~30V (24V recommend)
Switch load current: ⩽ 250mA
Analog load resistance: 4–20mA: ⩽ 500Ω @24V
Load capacity: ⩽ 24V 1.2A
Power consumption: ⩽ 15mA
Display mode: 4 digital OLED display
Sensor: PT100
Operating temp.: –20℃ ~80℃
Insertion diameter: ϕ6, ϕ8
Housing material:SS304
Protection: IP65

PCT220 Armored Temperature Transmitter

Ranges: –50℃ ~250℃
Output signal: 4~20mA
Supply: 24VDC
Accuracy: 0.5%FS (typical)
Insertion diameter: ϕ8
Housing material: SS304
Protection: IP65
Ex–proof: Ex ia IIC T6 Ga

PCT202 Temperature Transmitter with Movable Connector

Ranges: –50℃ ~250℃
Output and supply: 4~20mA (16~36VDC)
Accuracy: 0.5%FS (typical)
Operating temp.: –40℃ ~85℃
Insertion diameter: Φ8
Protection: IP65
Ex–proof: Ex ia IIC T6 Ga

PCT400 Industrial Temperature Transmitterr

Range: –50℃ ~250℃
Supply and output: 4~20mA (16~36VDC)
4~20mA + HART protocol
(16~36VDC)
Accuracy: ±0.5% FS (typical)
Insertion diameter: Φ8mm
Housing material: SS304
Protection : IP65
Ex–proof: Ex ia IIC T6 Ga

PCT10 Platinum Resistance Temperature Sensor

Ranges: –50℃ ~150℃
Graduation:Pt100 Grade A, Pt1000 Grade A
Dielectric strength: 100MΩ/250VDC
Storage temp.: –40℃ ~85℃
Insertion diameter: Φ5
Response time: ≤ 30s
Protection: IP67

PCT380 Intelligent Temperature Transmitter Module

Accuracy: 0.1%FS (typical)
Supply: 12~40V
Signal input: RTD TC resistance mV
Output signal: 4~20mA, 1~5V
Digital communication: Hart protocol
Response time: ≤ 1s
Operating temp.: –40℃ ~85℃
Circuit limit: ≤ 22mA
Cold junction compensation: build–in
Configuration: PAD or PC

PCD03 Dew Point Transmitter

Dew point range: –60…+60 dp℃
Sensor type: capacitive humidity sensor
PT100 sensor
Output：RS–485+(4~20mA / 0~10V)
Accuracy：±1, ±2 dp℃
Protection: IP65/ Filter IP20(Housing)

PCS5 Pressure Switch

Max Working Pressure: 450bar
Burst Pressure: 600bar
Max Voltage: 42V / MAX100VAC
Max Current: 4A
Operating temp.: –40℃ ~10℃
Body Material: Zinc plated steel
Stainless steel
Mechanical life: 1,000,000 times
Electric Life: 1,000,00 times
Protection level: IP00,IP65,IP67
Upper cover: IP54(Termial 1–2)
Side cover: IP55(Termial 1–2)

PCS6 Pressure Switch

Max Working Pressure:Zinc plated steel:160bar
Stainless steel: 160bar, Brass:40bar
Burst Pressure: Zinc plated steel:300bar
Stainless steel: 300bar, Brass: 80bar
Max Voltage: 42V/MAX100VAC
Max Current: 4A
Operating temp.: –40℃ ~100℃
Body Material: Zinc plated steel
Stainless steel,Brass
Mechanic Life: 1,000,000 times
Electric Life: 1,000,00 times
Protection level:IP00,IP65,IP67
Upper cover: IP54(Termial 1–2)
Side cover:IP55(Termial 1–2)

PCS7 Pressure Switch

Max Working Pressure: Zinc plated steel:150bar
Stainless steel:150bar, Brass: 40bar
Burst Pressure: Zinc plated steel:300bar
Stainless steel: 300bar, Brass: 80bar
Body Material:Zinc plated steel
Stainless steel,Brass
Max Voltage: 250VAC/42VDC
Max Current:4A
Operating temp.: –40℃ ~100℃
Mechanic Life: 1,000,000 times
Electric Life: 1,000,00 times
Repeated Accuracy: 2%
Protection level:IP00,IP65,IP67

PC–GS10 Connectors

Material：303, 4J50
Tolerance: GB/T1804–m
Insulation resistance: 500V ⩾ 5000MΩ
Seal: ⩽ 1 x 10–9Pa.m3/s
Operating temp.: –55℃ ~125℃
Withstand pressure: 8MPa
Withstand voltage: 1500V
Lifetime: ⩾ 500 times
Pin plating: N2.54~6.35μm +Au1.27–2.54μm

PC28–2400 Pressure Sensor

Pressure ref.:absolute pressure
Pressure range：20 ~400Kpa
Supply: 2.5mA, 4.5–5.5VDC
Accuracy: ±1% VFSS
Sensitivity: 12.1mV/Kpa
Response time: 2.0ms
Temp. compensated:–40℃ ~125℃

Electrodeposited Metal Bellow

Material:Nickel–cobalt alloy(Ni+Co ⩾ 99.8%)
Rigidity: K=F/M(N/mm)
F–Concentration(N), W–displacement (mm)
Sensitive: S=1/K
Effective area: Ae=(π xDm^2)/4(cm^2)
He Leakage rate: <1.0x10–9Pa・m^3/Sec
Service life: >100000 times
Ambient Temp.:–196℃ ~176℃

Nanjing Wotian Technology Co., Ltd. was established in 2005, specializing in the production of pressure sensors. It is the leading domestic manufacturer of pressure sensors, with core technology of diffused silicon and glass micro–fused pressure sensors and existing staff 305. The annual production of pressure sensors is more than 3 million. The products have been exported to more than 70 countries and regions.The company has factories in Nanjing and Anshan, and is headquartered in Vanke Duhui Tiandi City near Nanjing South Station with convenient transportation. The foreign trade team is located in Shenyang, the center of Northeast Heavy Industry Base.

Nanjing Wotian Technology Co., Ltd. is a "high–tech enterprise","Nanjing Engineering Technology Research Center", "Nanjing Postdoctoral Innovation Practice Base", and is named "Sensor Model Enterprise" by the Ministry of Industry and Information Technology.

"Creating value for customers" is the goal pursued by the enterprise all the time. As the leader in the domestic pressure sensor industry, Wotian will take the revitalization of the pressure sensor cause in China as its own task, be cautious and conscientious, work steadily, strive to make the pressure sensor perfect and provide the customers with the extremely cost–effective sensors.

The idea of "continuous improvement" is deeply rooted in our mind, and "lean thinking" will act as the fundamental idea of management for the production. Wotian people believe in dreams, integrity, honesty and kindness. We will "be responsible for the trust", become a conscientious enterprise, and make our contribution for the social progress and people's happiness.

Nanjing Wotian Technology Co., Ltd. has obtained ISO9001–2015 Quality Management System Certification and TS16949 Certification for the automobile industry etc.

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