

ATLANTIS®

RE-ATLANTIS INTERPRISE CO., LTD

PRESSURE TRANSMITTER CATALOG



ATLANTIS®

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(If there is any change on specification, please take the latest version as standard.)

Ver.3.0



FDPT-500 Series

Clamped Flush Diaphragm
Pressure Transmitter

Application: Suitable for the sanitary required environment such as food, pharmaceuticals, and wine industry.

Model: FDPT-500 Series

Pressure type: Gauge pressure / Absolute pressure / Sealed pressure

Power supply: 12VDC / 24VDC

Output signal: 4~20mA (2-wire) / 0-5V / 0-10V (3-wire)

Accuracy: 0.5%

Protection level: IP65



AT-PT183

Compact Pressure Transmitter

Application: Suitable for the sanitary required environment such as food, pharmaceuticals, and wine industry.

Model: FDPT-500 Series

Pressure type: Gauge pressure / Absolute pressure / Sealed gauge pressure

Power supply: 15~36VDC

Output signal: 4~20mA / 0~10V / 0~5V / 1~5V

Accuracy: 0.5% / 0.2% / 0.1%

Protection level: IP65



FDPT-Series

Clamped Flush Diaphragm
Pressure Transmitter

Application: Adopts flush connection design, the blind space has been eliminated to prevent impurity generated, making for corrosive or viscous media pressure measurement.

Model: FDPT-Series

Type: FDPT (Standard) / FDPT-HT (High temperature)

Power supply: 24VDC

Output signal: 4~20mA (2-wire) / 0-5V / 0-10V (3-wire)

Accuracy: 0.5% / 0.25% / 0.1%

Protection level: IP65 / IP66



FDPT-9

Flush Diaphragm Pressure Transmitter

Application: Which is specially design for viscous fluid pressure measurement, it has been applied to petroleum, chemical, electrical, hydraulic, pneumatic, energy industry, water treatment, automatic equipment, and industry process control.

Model: FDPT-9

Dimension: 62 x 50 mm

Pressure range: -1 to 600 bar

Power supply: 12~36VDC (standard 24V)

Output signal: 4~20mA / 0~20mA / 0~5V / 0~10V / 1~5V

Accuracy: 0.5% / 0.25% / 0.1%

Protection level: IP65



PTX-301

Flameproof Pressure Transmitter

Application: Adopts stainless material with integrated welded structure design to ensuring its flameproof performance, suitable for pressure measurement in the hazardous environment.

Model: PTX-301

Pressure range: -100 kPa...0~10 kPa to 100 MPa

Power supply: 12VDC / 24VDC

Output signal: 4~20mA / 1~5V / 0~5V

Accuracy: 0.5% / 0.3% / 0.1%

Protection level: IP68

Flameproof class: Exd II BT6



PTX-302

Explosion-proof Pressure Transmitter

Application: Adopts stainless material with integrated welded structure design to ensuring its flameproof performance, suitable for pressure measurement in the hazardous environment.

Model: PTX-302

Pressure range: -100 kPa...0~10 kPa to 100 MPa

Power supply: 12VDC / 24VDC

Output signal: 4~20mA / 1~5V / 0~5V

Accuracy: 0.5% / 0.3%

Protection level: IP65

Flameproof class: Exia II CT6



PT-CH 1202

Pressure Transmitter (For Chiller and Heating Pump)

Application: Widely used in watercooled screw chillers, water-sourced heating pump and over-flowed high temperature chillers, etc.

Model: PT-CH 1202

Electrical connection: Packard / Hirschmann

Pressure range: 0 to 600 bar

Power supply: 10~30VDC (Two-wire) / 5VDC (Three-wire)

Output signal: 4~20 mA (Two-wire)
0.5 ~ 2.5...4.5 VDC (Three-wire)

Accuracy: 0.5%

Protection level: IP65



PT-RCH1100

Pressure Transmitter (For Refrigeration Compressor and Humidifier)

Application: Mainly used in refrigeration compressors and humidifiers, it apply to measure the pressure of refrigerants or humidifiers.

Model: PT-RCH1100

Electrical connection: Packard

Pressure range: -1.0...0~2...50 bar

Supply voltage: 10~30VDC (Two-wire) / 5VDC (Three-wire)

Output signal: 4~20 mA (Two-wire)
0.5 ~ 2.5...4.5 VDC (Three-wire)

Accuracy: 1.0%

Protection level: IP65



PT-HP

High Pressure Transmitter

Application: Adopts metallic strain as measuring element, is designed for high, ultra-high pressure and high impact frequency environment.

Model: PT-HP

Electrical connection: Hirschmann connector (DIN 43650) / Cable outlet

Pressure range: 0...400 to 6000 bar

Power supply: 24VDC

Output signal: 4~20mA / 1~5V / 0~5V

Accuracy: 0.5%

Protection level: IP65



PT-CD

Pressure Transmitter with Display (General Type)

Application: The high stable pressure sensor and high performance circuit ensure can transmit signal from remote distance.

Model: PT-CD

Electrical connection: Hirschmann connector with LCD display unit

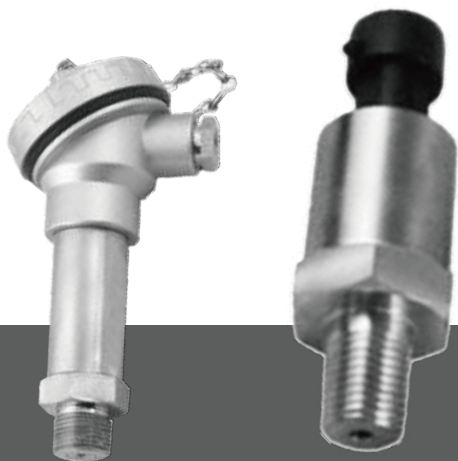
Pressure range: -100 kPa...0~10 kPa...100 MPa

Power supply: 24VDC / 12VDC

Output signal: 4~20mA / 1~5V / 0~5V

Accuracy: 0.5% / 0.3%

Protection level: IP54



PT-VP

Pressure Transmitter (General Type)

Application: Adopts diffusion silicon chip as pressure sensor, which is suitable for using with computer, control equipment and display unit.

Model: PT-VP

Electrical connection: Hirschmann connector / Hirschmann with cable outlet / Cable outlet / Packard / BP3 aluminum case / Aviation plug

Pressure range: -100 kPa...0~10 kPa...100 MPa

Supply voltage: 24VDC / 12VDC

Output signal: 4~20mA / 1~5V / 0~5V / 0~10V / 0.5~4.5V

Accuracy: 0.5% / 0.3% / 0.1%

Protection level: IP54 / IP65 / IP67



DPT-AC

Differential Pressure Transmitter (Anti-corrosive Type)

Application: With high accuracy and strong anti-corrosive features, it is suitable for petroleum, chemical and electrical industry, air-conditioning system, energy and wastewater treatment system, auto control system and industry process control.

Model: DPT-AC

Electrical connection: Hirschmann / Wire boot / Packard / Aviation plug

Pressure range: 35 kPa ~ 7 MPa

Power supply: 12~36VDC (standard 24V)

Output signal: 4~20mA (2-wire)

Accuracy: 0.5% / 0.25% / 0.1%

Protection level: IP65 / IP66 / IP67



LPT-187

Level Pressure Transmitter

Application: It is suitable to put into media including gas, liquid, steam pressure and even various corrosive media for long-term use, applications in areas of petroleum, chemistry, metallurgy, electricity, light industry, and machinery, etc.

Model: LPT-187

Pressure connection: M20*1.5 male thread

Measurement range: 0...0.3~200mH₂O

Output signal: 4~20mA / 0~10mA (2-wire)

0~5V / 1~5V (3-wire)

Power supply: 24VDC

Accuracy: 0.5% / 0.2% / 0.1%

Protection level: IP68 (Probe) / IP65 (Terminal box)



LPTX-HT420S

Geothermal Water Level Pressure Transmitter

Application: Which is suitable for high temperature fluid level measurement, it has been widely in geothermal water, boiler level measurement and water electricity, power generator level monitor.

Model: LPTX-HT420S

Type: A: General / B: Outdoor / C: Wellhead / D: Flameproof
E: Explosion-proof

Level measurement range: 0~1...500mH₂O

Output Signal: 4~20mA (2-wire)

0~5V / 1~5V / 0~10V (3-wire)

Accuracy: 0.5% / 0.25%

Protection level: IP68



LPT

Integrated Level Transmitter

Application: Adopts high quality SS316L diaphragm pressure sensor and strong anti-corrosive performance, which has been used in various industrial process level control.

Model: LPT

Electrical connection: Cable outlet

Measurement range: 0...1 ~ 500 mH₂O

Output signal: 4~20mA (2-wire)

Power supply: 12~36VDC (standard 24V)

Accuracy: 0.5% / 0.25% / 0.1%

Protection level: IP68



AT-ULT Series

Ultrasonic Level Transmitter

Application: Is a non-contact, low-cost and easy-to-install measuring device which suitable for both solid and liquid level measurement.

Model: AT-ULT Series

Process connection: 2" BSPT/NPT

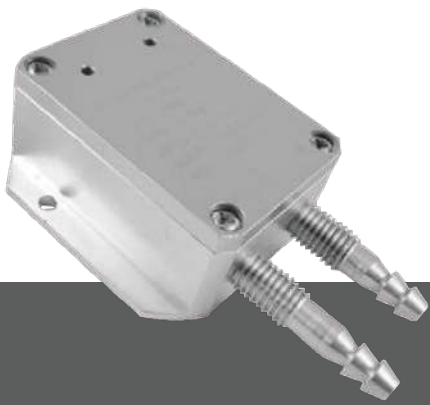
Electrical connection: 2 x M20 x 1.5

Display: 4-digit 12mm LCD

Supply voltage: 12~30VDC (2-wire)

Output signal: 4~20 mA (750Ω)

Protection level: IP67



DPT-A

Air Differential Pressure Transmitter

Application: Is a standard and economic pressure transmitter applied in air pressure measuring.

Model: DPT-A

Pressure connection: M10*1.5

Pressure range: 0~250Pa...1kPa...100kPa

Power supply: 16~36 VDC

Output signal: 4-20mA

Accuracy: 3.0% / 2.0% / 0.5%

Protection level: IP65



DPT

Differential Pressure Transmitter

Application: Adopts high sensitive piezoresistive silicon chip, which is a standard product for general differential pressure measurement.

Model: DPT

Electrical connection: Hirschmann / Wire boot / Packard / Aviation plug

Differential pressure range: 10kPa, 35kPa, 70kPa, 100kPa, 250kPa, 400kPa, 600kPa, 1MPa, 1.6MPa, 2.5MPa

Power supply: 24VDC / 5VDC

Output signal: 4-20mA (4~20mA) / 0.5 to 4.5V (Three-wire system)

Accuracy: 0.5%

Protection level: IP65 / IP66 / IP67



SDPT-3351

Smart Differential Pressure Transmitter

Application: Uses 5-digit LCD screen display, and it also has alarm, temperature indicator, temperature compensation, and data backup and recovery function.

Model: SDPT-3351

Pressure connection: 1/4"NPT

Display unit: kPa, mA, %, °C, mmH₂O, MPa, Pa, mbar, atm, psi, Torr

Analog signal output: 4-20mA (2-wire)

Power supply voltage: 24VDC

Accuracy: 1.0% / 0.5% / 0.2% / 0.1%

Explosion-proof level (Option):

Exia II CT6 /Exd II BT4



SPT-ED-460

Smart Pressure Transmitter with Display

Application: Features field display, RS-485 or HART digital output, data process, zero & span adjustment, which is suitable for accurate fluid pressure measurement.

Model: SPT-ED-460

Pressure connection: M20 x 1.5 / G1/2" / 1/2"NPT

Pressure range: -100 kPa...0~20 kPa...100 MPa

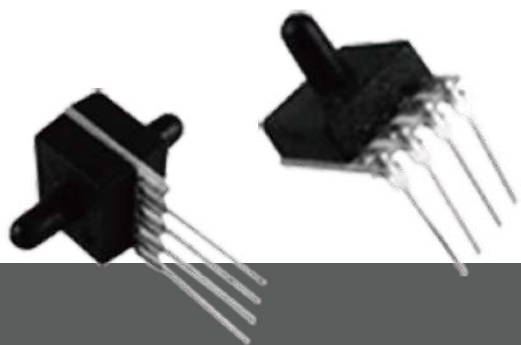
Screen display: 4-digit LED display

Power supply: 24VDC / 12VDC

Output signal: 4-20mA+RS485 (standard) / 4-20mA+HART (option)

Accuracy: 0.5% / 0.3%

Protection level: IP65



PS(E)-WT22

Air Pressure Sensor

Application: Is a solution for low cost application with low requirements, suitable for dry and non-corrosive air measuring, applicable to medical, industrial, HVAC application, heating ventilating and air conditioner.

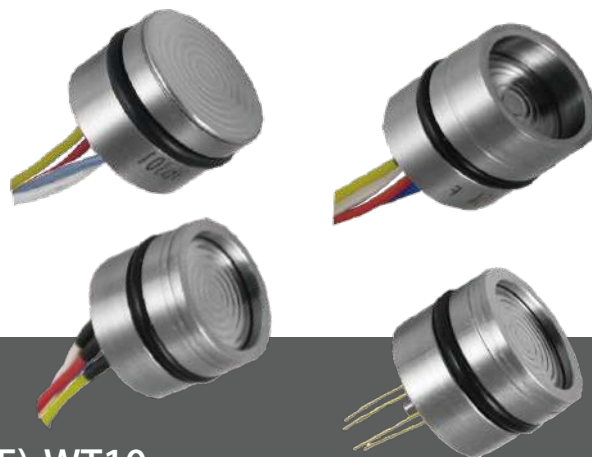
Model: PS(E)-WT22

Pressure range: 100Pa, 1kPa, 2kPa, 7kPa, 10kPa, 35kPa, 70kPa, 100kPa (bar and psi unit available)

Output signal: $\geq 50\text{mV}$

Power supply: 1.5mA (Standard) / 5VDC (option)

Accuracy: 0.25%



PS(E)-WT10

Industrial Pressure Sensor

Application: Is a standard and economical pressure sensor that applied in air and liquid pressure measurement.

Model: PS(E)-WT10

Pressure range: 35kPa, 70kPa, 100kPa, 250kPa, 400kPa, 600kPa, 1MPa, 1.6MPa, 2.5MPa, 4MPa, 6MPa, 10MPa, 16MPa, 25MPa

Output signal: 4~20 mA (Power supply 24V) / 0.5 to 4.5V (Power supply 5V) / I²C (Power supply 3.3V)

Power supply: 24V / 5V / 3.3V

Accuracy: 0.25%

Protection level: IP65



PT-GMF

Glass Micro-fused Compact
Pressure Transmitter

Application: Adopts glass micro-fused technology, which is one of the most economic transmitter that can apply to gas and liquid pressure measurement.

Model: PT-GMF

Pressure connection: M20 x 1.5 / 1/4"PT

Electrical connection: Round Packard / Cable outlet

Pressure range: 500kPa, 600kPa, 1MPa, 1.6MPa, 2.5MPa, 4MPa, 6MPa, 10MPa, 16MPa, 25MPa, 40MPa, 60MPa (bar and psi unit available)

Power supply: 24VDC / 12VDC / 5VDC

Output signal: 4~20mA / 0.5 to 4.5V / 1 to 5V / 0 to 5V

Protection level: IP65