

## DC5V 1/8NPT Pressure Transducer 30 PSI Transmitter Sensor Stainless Steel Oil Air Water

### Features:

- It's an advance pressure transducer than traditional mechanical pressure transducer.
- $\pm 2\%$ FS small output error, including nonlinear, hysteresis error and repeatability, full temperature range.
- Light weight and small size, convenient to install and operate.
- It has complete surge voltage protection function.
- Works for oil, fuel, diesel, gas, water, air pressure, can be used in oil tank, gas tank, diesel tank etc.

### Specifications:

- Material: Stainless steel
- Voltage: DC 5V
- Pressure: 30 psi, 100 psi, 150 psi, 200 psi, 300 psi, 500 psi (**Please leave the pressure you want in your order**)
- Please leave a message, tell me what type you want, or we will send by random.
- Thread Type: 1/8" NPT
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- 30 psi
- Input: 0-30 psi
- Output: 0.5V~4.5V linear voltage output. 0 psi outputs 0.5V, 15psi outputs 2.5V, 30 psi outputs 4.5V.
- Accuracy: within 2% of reading (full scale).
- Thread: 1/8"-27 NPT.
- Wiring Connector: Water sealed quick disconnect. Mating connector is included.
- Wiring: Red for +5V; Black for ground; Blue for signal output.
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- 100 psi
- Input: 0-100 psi
- Output: 0.5V~4.5V linear voltage output. 0 psi outputs 0.5V, 50 psi outputs 2.5V, 100 psi outputs 4.5V.
- Accuracy: within 2% of reading (full scale).
- Thread: 1/8"-27 NPT
- Wiring Connector: Water sealed quick disconnect. Mating connector and wire harness (pigtail) is included.
- Wiring: Red for +5V; Black for ground; Blue for signal output.
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- 150 psi
- Input: 0-150 psi
- Output: 0.5-4.5V linear voltage output. 0 psi outputs 0.5V, 75 psi outputs 2.5V, 150 psi outputs 4.5V
- Accuracy:  $\pm 0.5\%$ FS
- Thread: 1/8" NPT
- Wiring: Red for +5V; Black for ground; Green for signal output
- Overload Capacity: 2-4 times of rated pressure
- Working Temperature:  $-40^{\circ}\text{C}\sim+120^{\circ}\text{C}$
- Compensation Temperature:  $0^{\circ}\text{C}\sim+80^{\circ}\text{C}$
- Protection Class: IP67
- Pressure Medium: Oil, gas and water which is compatible with 316L stainless steel
- Load Resistance:  $\leq(\text{supply power}-6.5\text{V}/0.02\text{A})\Omega$

- Long-term Stability: Less than 0.1%FS/year
- Temperature Effect on Zero: Typical:0.02%FS/°C; Maximum:0.05%FS/°C
- Temperature Effect on Sensitivity: Typical: 0.02%FS/°C; Maximum: 0.05%FS/°C
- Shock Resistance: 1000g
- Anti-Shock:  $\leq \pm 0.01\%FS$ (X,Y,Z axes, 200Hz/g)
- Response Time:  $\leq 1ms$
- Insulation Resistance:  $> 100m\Omega$  500VDC
- Explosion-proof Class: ExiaTTCT6
- Electromagnetism Compatibility: EN50051-1
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- 200 psi
- Input: 0-200 psi
- Output: 0.5V~4.5V linear voltage output. 0 psi outputs 0.5V, 100 psi outputs 2.5V, and 200 psi outputs 4.5V
- Working Temperature: -40~+125°C
- Accuracy:  $\pm 1\%FS$
- Thread: 1/8"-27 NPT
- Overload Capacity: 2 times of rated pressure
- Pressure Medium: Oil, gas and water which is compatible with 316L stainless steel
- Load Resistance:  $\leq (\text{supply power}-6.5V/0.02A)\Omega$
- Long-term Stability:  $\pm 0.2\%FS/\text{year}$
- Temperature Effect on Zero: Typical:  $\pm 0.02\%FS/^\circ C$ ; Maximum:  $\pm 0.05\%FS/^\circ C$
- Temperature Effect on Sensitivity: Typical:  $\pm 0.02\%FS/^\circ C$ ; Maximum:  $\pm 0.05\%FS/^\circ C$
- Shock Resistance: 100g
- Anti-Shock:  $\leq \pm 0.01\%FS$ (X,Y,Z axes, 200Hz/g)
- Response Time:  $\leq 1ms$
- Insulation Resistance:  $> 100m\Omega$  500VDC
- Explosion-proof Class: ExiaTTCT6
- Electromagnetism Compatibility: EN50081-1; EN50082-2; IEC6 1000-4-3
- Wiring Connector: Water sealed quick disconnect. Mating connector and wire harness (pigtail) is included.
- Wiring: Red for IN+; Black for GND; Green for OUT.
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- 300 psi
- Input: 0-300 psi
- Output: 0.5-4.5V linear voltage output. 0 psi outputs 0.5V, 150 psi outputs 2.5V, 300 psi outputs 4.5V
- Accuracy:  $\pm 0.5\%FS$
- Thread: 1/8" NPT
- Wiring: Red: +5V; Black: ground; Green: signal output
- Overload Capacity: 2-4 times of rated pressure
- Working Temperature: -40~+120°C
- Compensation Temperature: 0°C~+80°C
- Protection Class: IP67
- Pressure Medium: Oil, gas and water which is compatible with 316L stainless steel
- Load Resistance:  $\leq (\text{supply power}-6.5V/0.02A)\Omega$
- Long-term stability: Less than 0.1%FS/year
- Temperature Effect on Zero: Typical: 0.02%FS/°C; Maximum: 0.05%FS/°C
- Temperature Effect on Sensitivity: Typical:0.02%FS/°C; Maximum:0.05%FS/°C
- Shock Resistance: 1000g
- Anti-Shock:  $\leq \pm 0.01\%FS$ (X,Y,Z axes, 200Hz/g)
- Response Time:  $\leq 1ms$

- Insulation Resistance: >100mΩ 500VDC
- Explosion-proof Class: ExiaTTCT6
- Electromagnetism Compatibility: EN50051-1.
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- 500 psi
- Input: 0-500 psi (Gauge Pressure)
- Output: 0.5-4.5V linear voltage output. 0 psi outputs 0.5V, 250 psi outputs 2.5V, and 500 psi outputs 4.5V.
- Accuracy: +/-1%FS
- Thread: 1/8" NPT
- Wiring: Red for +5V; Black for ground; Yellow (Green) for signal output
- Overload Capacity: 2-4 times of rated pressure
- Working Temperature: -40°C~+120°C
- Compensation Temperature: 0°C~+80°C
- Protection Class: IP67
- Pressure Medium: Oil, gas and water which is compatible with 316L stainless steel
- Load Resistance:  $\leq$  (supply power-6.5V/0.02A)Ω
- Long-term stability: Less than 0.1%FS/year
- Temperature Effect on Zero: Typical: 0.02%FS/°C; Maximum: 0.05%FS/°C
- Temperature Effect on Sensitivity: Typical: 0.02%FS/°C; Maximum:0.05%FS/°C
- Shock Resistance: 1000g
- Anti-Shock:  $\leq$ +/-0.01%FS(X,Y,Z axes, 200Hz/g)
- Response Time:  $\leq$ 1ms
- Insulation Resistance: >100mΩ 500VDC
- Explosion-proof Class: ExiaTTCT6
- Electromagnetism Compatibility: EN50051-1.



52mm/2.05"

250mm/9.84"

10mm/0.39"

1/8NPT

30PSI