

CS-PT1100A Series Pressure Transmitter

Product Features

- Ceramic piezo-resistive sensing element
- Measuring range: 0~5...50bar Gauge
- Accuracy: $\pm 1.0\%$ F.S
- Output: 4~20mA
- Electrical connection: Packard Metri-Pack
- Pressure connection: G1/4、 7/16-20UNF
- High accuracy and high cost performance
- Suitable for mass production

Applications

- General pressure measurement
- Air compressor
- Machinery manufacturing
- Measurement and control technology
- Hydraulic and pneumatic technology

Product Description

Designed for general industrial application, CS-PT1100A series pressure transmitters feature compact structure, stable quality and high cost performance.

CS-PT1100A series pressure transmitters are widely used in air compressor industry. We can supply you in short term products with different pressure units and pressure connections to meet your specific applications.

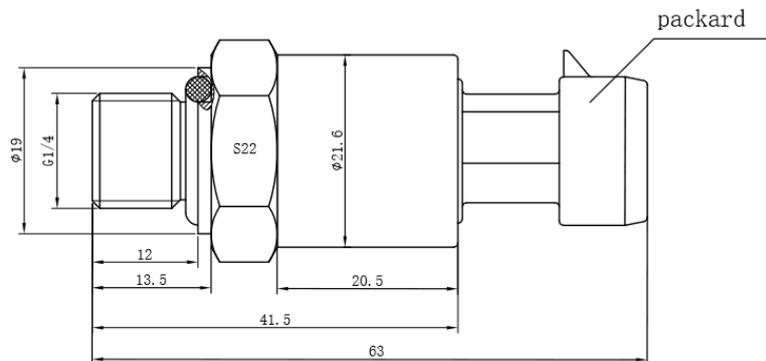
Performance Parameters

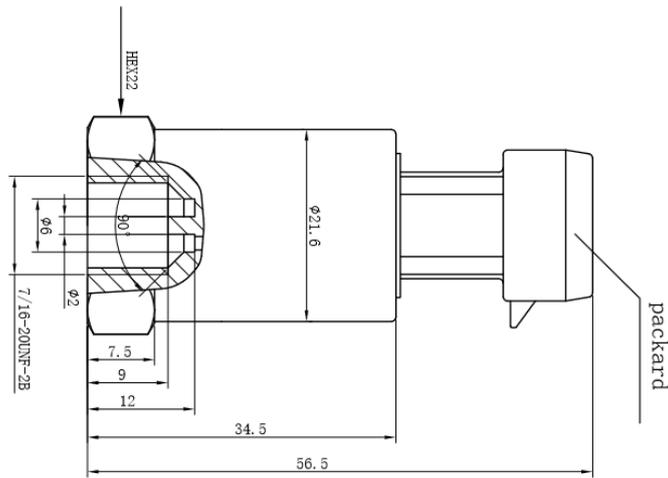
Temperature: 25°C, Power: 12VDC, RH: 45%~75%, Atmospheric pressure: 86KPa~106KPa

| | |
|-------------------------------------|---|
| Pressure Range | 0~5...50bar Gauge |
| Output Signal | 4~20mA |
| Power supply (U+) | 10~30VDC |
| Output Load | $\leq (U+ - 10) / 0.023\Omega$ (MAX: 600 Ω) |
| Over Voltage | 30VDC |
| Reverse Voltage | -30VDC |
| Accuracy at Room Temperature | $\pm 1.0\%$ F.S. |
| Medium Temperature | -30°C~120°C |
| Ambient Temperature | -20°C~85°C |

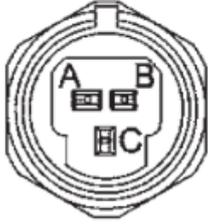
| | |
|--|---------------------------------|
| Storage Temperature | -40°C~100°C |
| Long-term Stability | ±0.5%F.S / year |
| Settling Time | (10%~90%) ≤10ms |
| Overload Pressure | ≥ 150%F.S |
| Burst Pressure | ≥ 200%F.S |
| Pressure Connection | G1/4、7/16-20UNF |
| Electrical Connection | Packard Metri-Pack |
| Insulation Resistance | ≥ 100MΩ@100VDC |
| Insulate Intensity | 100VDC@60S, no arc or breakdown |
| Vibration Resistance | 10g, 5~2000Hz |
| Shock Resistance | 20g, 11ms half sine |
| Ingress Protection | ≥ IP65 |
| Sealings Materialsfor Wetted Part | NBR |
| Housing Material | SS304 |

Structures and Dimensions





Wiring Definition

| Packard Metri-Pack | Pin | Definition |
|---|-----|---------------------|
|  | A | Shield (PE) |
| | B | Power Supply+ (U+) |
| | C | Current Output (Io) |

Notice:

- The pressure transmitter must be used in the medium that is non-corrosive to the seal material and the housing material.
- In case the pressure guiding hole of the transmitter is blocked, it is forbidden to use sharp tools to clear it. Instead, one should remove the transmitter from the system, immerse the pressure guiding hole part in the liquid which can dissolve the blockage, and then the blockage will flow out easily.
- It's prohibited to open the transmitter by users for calibration or repair.
- Please contact us if you're not sure whether the transmitter is suitable for the medium to be measured.
- The transmitter should be installed in a location that is not easily bumped or stepped on.
- Exceeding of the transmitter overload pressure may cause permanent damage.
- Where lightning may occur, customers should consider lightning protection measures.

