

Industrial Series Pressure Transmitters ISP-200

The sensors ISP-200 are piezo-resistive pressure sensors based on ceramic. The measuring bridge is printed directly on one side of the ceramic diaphragm by means of thick film technology. Because of the excellent chemical resistance no additional protection is normally required. The sensors are designed in such a way so that temperature changes and overloading do not cause any loss in reliability. The use of ceramic ensures high linearity across the entire range of measurement and reduces effects of hysteresis to a minimum. The sensors are thermal compensated by laser adjustable PTC resistors.

Specifications:

- Range: 0-1 Bar to 0-400 Bar
- Material:
 1. Sealing Ring: NBR/EPDM/Others on request
 2. Diaphragm: Al₂O₃ 96%
 3. Case: Stainless Steel
- Signal/Supply: 4-20mA 2-Wire/8-32VDC
- Accuracy: 0.5 % of Span
- Repeatability: 0.5% of Span
- Permissible temperature: -20 °C to +85°C
- Zero & Span Adjustable



ISP-200-LCD/ISP-200-LED (With LCD/LED Display)

Specifications:

Same as above with below extra features

- Plug and play
- For 4 to 20mA output, Plug DIN 43650
- Self powered
- Compact design
- Easy programming with Push buttons
- Ingress protection IP 65
- Reverse Polarity
- Low power consumption
- Optional: Two OPTO switch outputs
- Visible in the dark environment
- 16 Bit ADC MCU inside
- LED can work at 3mA