



ESI - HI2200 & HI2300 - HIGH TEMPERATURE PRESSURE SENSOR

HI2300-0100AB

10mV/V, 0..100 bar, G1/4, 1M cable

- Silicon-on-sapphire sensor technology
- Media temperature up to 200°C
- Ambient temperature up to 200°C
- Good chemical compatibility for a range of applications



PRODUCT DESCRIPTION

The ESI Technology HI2200 & HI2300 high temperature pressure sensor series is designed to operate in applications with high demands on media and ambient temperature effects.

The unique Silicon-on-Sapphire (SOS) sensor technology provides outstanding insulating properties which means this pressure sensor can still give great performance and excellent stability over such a wide temperature range of 200°C. The sensor starts from 0 - 1 bar up to 0 - 1500 bar with a total of nine standard pressure ranges, two options of output (10-20 mV/V or 10 mV/V) and also two different electrical connections (1 meter PTFE insulated flying lead or MIL-C-26482 6 pin bayonet).

Application examples

- Furnaces
- Process
- Tanks
- Thermal chambers

TECHNICAL DATA

| | |
|--------------------------|-------------------------------|
| Ambient temperature | -40..200°C |
| Approvals | CE, IEC |
| Electrical connection | 1m PTFE insulated flying lead |
| EMC | EN61000-6-4, EN61000-6-2 |
| Linearity | ≤±0.1% BSFL |
| Material of wetted parts | Titanium alloy |
| Media temperature | -50..200°C |
| Output | 0-10mV/V |

| | |
|-------------------------|---------------------|
| Overpressure protection | 100 bar |
| Pressure range max | 100 bar |
| Pressure range min | 0 bar |
| Pressure reference | Gauge |
| Process connection | G1/4 |
| Sensor technology | Silicon-on-Sapphire |
| Storage temperature | 5..40°C |
| Supply voltage | 10 V DC (5-15 V) |

