



ESI - PR3900 - HAZARDOUS AREA PRESSURE SENSOR

PR3900-0060AB
4-20mA, 0..60 bar, G1/4, 1M submersible cable

- ATEX and IECEx certified
- Designed for operation in zone 0, zone 20 and M1 mining
- Wide choice of low and high pressure ranges
- NACE corrosion resistant materials



PRODUCT DESCRIPTION

The PR3900 gives a steady and exact intrinsically safe two wire output signal of 4-20mA. Pressure ranges available from 0-10 bar to 0-1,500 bar. The unique silicon-on-sapphire sensor gives a remarkable performance, stability and precision over a wide temperature range and gives superb chemical compatibility. Electrical connection is via a solid and sturdy polyurethane cable with integral vent tube for effective gauge venting to atmosphere, various process connections are available. Applications include any above ground explosive/hazardous environment installations, oil and gas industries and volatile chemical processing and storage.

TECHNICAL DATA

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|--------------------------|--------------------------|
| Ambient temperature | -20..85°C |
| Approvals | CE, DNV, IEC |
| Electrical connection | 1m Submersible cable |
| EMC | EN61000-6-4, EN61000-6-2 |
| Linearity | ≤±0.3% BSFL |
| Material of wetted parts | Stainless steel 316 |
| Media temperature | -20..85°C |
| Output | 4-20 mA |
| Overpressure protection | 120 bar |
| Pressure range max | 60 bar |
| Pressure range min | 0 bar |
| Pressure reference | Gauge |
| Process connection | G1/4 |

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|---------------------|---------------------|
| Sensor technology | Silicon-on-Sapphire |
| Storage temperature | 5..40°C |
| Supply voltage | 10-36 V DC |

