



## ESI - PR3900 - HAZARDOUS AREA PRESSURE SENSOR

PR3900-0010AB  
 4-20mA, 0..10 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

<b>Ambient temperature</b>	-20..85°C
<b>Approvals</b>	CE, DNV, IEC
<b>Electrical connection</b>	1m Submersible cable
<b>EMC</b>	EN61000-6-4, EN61000-6-2
<b>Linearity</b>	≤±0.3% BSFL
<b>Material of wetted parts</b>	Stainless steel 316
<b>Media temperature</b>	-20..85°C
<b>Output</b>	4-20 mA
<b>Overpressure protection</b>	20 bar
<b>Pressure range max</b>	10 bar
<b>Pressure range min</b>	0 bar
<b>Pressure reference</b>	Gauge
<b>Process connection</b>	G1/4

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

