

APLISENS - APR-2000ALW SMART DIFFERENTIAL PRESSURE TRANSMITTER

APRM0025.001

ALW 0..25mBar 4-20mA/HART C-type

- HART or profibus
- Rotatable display
- Various process connections
- Ten standard pressure ranges



PRODUCT DESCRIPTION

The Aplisens APR-2000ALW Smart differential pressure sensor is applicable to the measurement of the pressure, underpressure and absolute pressure of gases, vapours and liquids.

This pressure sensor comes with many extra options such as PED, SIL 2, ATEX, DNV marine certificate, housing options, thread connections and materials making this sensor very versatile.

Through the data interchange (HART) with the sensor you can:

- Identify the transmitter
- Configure the output parameters as below:

Measurement units and the values of the start and end points of the range

Damping time constant

Conversion characteristic (inversion, user's non-linear characteristics)

- Read the currently measured hydrostatic pressure value, output current and percentage of measuring range
- Force an output current with a set value
- Calibrate the transmitter in relation to a model pressure

The active sensing element is a piezoresistant silicon sensor separated from the medium by a diaphragm and by specially selected type manometric liquid. The casing is made of aluminium alloy cast or SS316, degree of protection IP66/IP67. The design of the casing enables the use of a local display which is rotatable and a choice of cable direction.

Application examples:

- Oil & Gas
- Process
- Chemical
- Water management

Please refer to the datasheet further down the page under Downloads.

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TECHNICAL DATA

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|----------------------------------|------------------------------------|
| Connection | Manifold |
| Deviation max | 0,075 % |
| Electrical connection | M20x1,5 |
| IP class | IP66 |
| Manufacturer part no. | APR2000/ALW/0-0,25/0-25mBAR/C-TYPE |
| Material of body | Aluminium |
| Material of wetted parts | Stainless steel 316L |
| Pressure range max | 0,025 bar |
| Pressure range min | 0 bar |
| Signal type | 4-20 mA / Hart |
| Static pressure | 250 bar |
| Supply voltage dc max | 55 V DC |
| Supply voltage dc min | 10 V DC |
| Temperature ambient from | -25 °C |
| Temperature ambient to | 85 °C |
| Temperature of media from | -40 °C |
| Temperature of media to | 120 °C |