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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 differentail pressure sensor is applicable to the measurment 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 ouput 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 percenatge 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

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