APLISENS - APC-2000ALW SMART PRESSURE TRANSMITTER

APCV0009.000

- HART protocol
- Rotatable display
- Option: SIL 2, DNV, PED, ATEX
- Range -7-+7mbar up to 0-1000bar

Product description

The Aplisens APC-2000ALW Smart pressure transmitter 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, MID, 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)

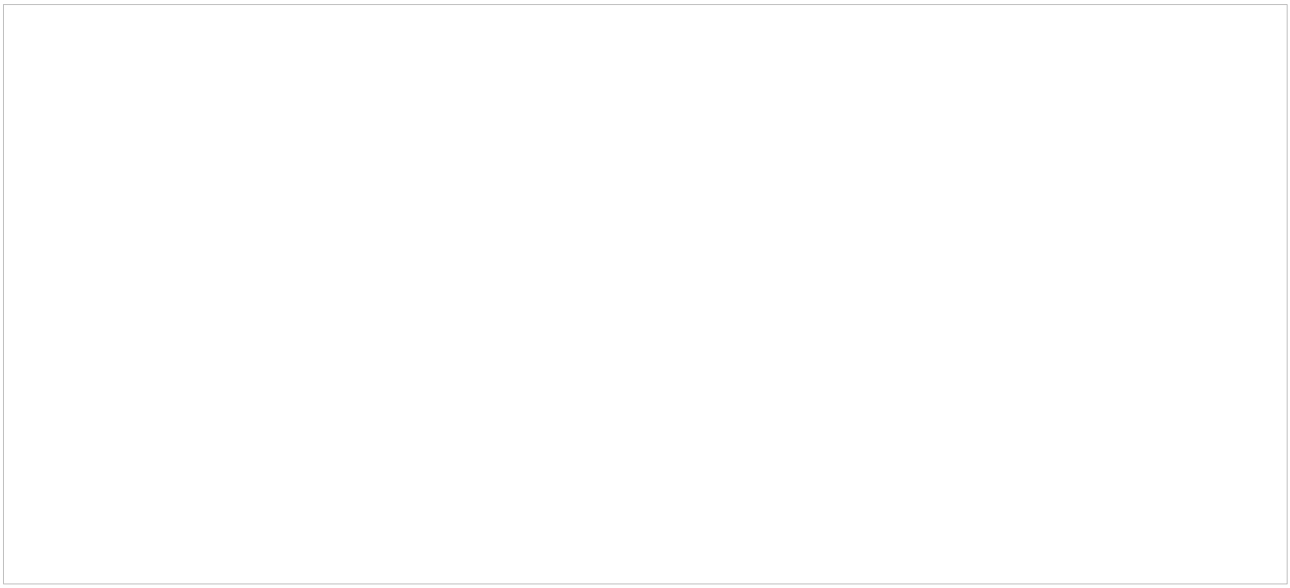
- Read the currently measured hydrostatic pressure value, output current and percenatge of measuring range
- Force an output current with a set value
- Calibrate the transmitter in relation to a model pressure

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, rotation of the display by 90°, rotation of the casing by 0-355° relative to the sensor, and a choice of cable direction.

Application examples:

- Oil & Gas
- Process
- Chemical
- Water management

Please refer to the image below for ordering information.



;

Specifications

Deviation max	0,075 %
IP Class	IP66
Manufacturer Part No	APC-2000/ALW/-1÷25 bar/-1-9bar/G1/2"
Pressure Range Max	9
Pressure Range Min	-1
Supply Voltage DC Max	55
Supply Voltage DC Min	12
Temperature ambient from	-40
Temperature ambient to	85
Temperature range of media from	-40
Temperature range of media to	120