

Compact Pressure Transmitter DAN-HH



Application-Specific usage

- Pressure measurement in liquid and vessels
- High Temperature applications up to 150 °C permanent

Application examples

- Sanitary pressure monitoring for breweries, dairies and food & beverage production

Hygienic design/Process connection

- Hygienic process connection with CIP/ SIP design
- Complies to 3 1/2 Sanitary Standard that complies with 3BSE1 design
- All wetted materials are 316L stainless
- Seals completely made of stainless steel
- Complete overview of process connections per order code
- The Anderson-Negele CIP/ SIP design system offers a flow optimized, hygienic and easily maintainable installation solution for sensors.

Features

- IP 67 (IP 69K available up to 150 °C)
- Externally suitable for high temperature applications up to 150 °C permanent
- Fast response time 200 milliseconds
- Process proof
- Easy to operate
- Electrical connection with PIG plug is optional
- Relatively or absolute or absolute measuring version available
- Integration into our measurement transmitter e.g. 2100

Options/Accessories

- Special pressure ranges, customized adjustment to needs
- Preassembled with the PIG plug is optional

Measuring principle of the pressure sensor

This unit offers an internal piezoelectric transducer to convert the pressure measurement into a corresponding mV signal. The mV signal then passes through calibration (zero and full scale) and conditioning circuitry. The resulting signal is digitally encoded to 20-bit. This mV signal is factory set over the specified range of the unit.

With relative (gauge) pressure sensor the back of the transducer is vented to atmospheric pressure. I.e. this sensor measures the gauge pressure relative vacuum relative to the atmospheric pressure. With absolute pressure sensor the back of the transducer is subject to full vacuum and thus permanently vented. I.e. this sensor measures pressure relative to an absolute vacuum.

Authorizations



DAN-HH-150-150-001

