

## ANDERSON NEGELE PRESSURE SENSOR DAN-HH

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- Pressure measurement in pipes and containers
- High temperatures up to 150 ° C
- Front-flush, hygienic and easily sterilizable installation with EMZ-352 or EHG -... / 1 "connection
- Complies with 3-A Sanitary Standard 74-06, Third Party Verified (Only with Tri-Clamp Mount)
- EHEDG-certified hygienic CLEANadapt process connection



### PRODUCT DESCRIPTION

We market high quality printing and design from our supplier Anderson-Negele, which meets the highest standards of process engineering, and is the perfect solution for applications for food, pharmaceuticals, breweries, cosmetics and pharmaceutical processes.

The products of Anderson-Negele are manufactured according to the concept "Hygienic by Design", which is reflected in the special process adapters: CLEANadapt and PHARMadapt as well as the unique design of the instruments.

Pressure sensor, type DAN-HH -...

This unit uses a built-in piezoelectric converter to convert the process value into a corresponding mV signal. The mV signal then passes through a customer-specific linearization and signal processing. The resulting signal corresponds to industry standard 4 ... 20 mA. This mA signal is factory-set for this unit's measurement range. For relative pressure sensors, the back of the membrane is ventilated; that is, this sensor measures the mean pressure and / or vacuum relative to air pressure.

For an absolute pressure sensor, the measured value is relative to a perfect theoretical vacuum. This means that the signal changes with the air pressure for the respective environment.

Other features:

- CIP / SIP cleaning up to 150 ° C
- Product-related materials are FDA-compatible
- Stainless steel sensor and product-related materials
- Additional process connections in combination with CLEANadapt: Flange (DIN 11851), VARIVENT, m.f.

Please contact us for more information and price.

Please refer to the image below for ordering information.

| Order code |                            |   |     |
|------------|----------------------------|---|-----|
| DAN-HH     | Compact pressure sensor    |   |     |
|            | Process Connection         |   |     |
|            | TC1,5                      | (Tri-Clamp 1,5"; incl. 3-A TPV verification)                              |     |
|            | TC2                        | (Tri-Clamp 2"; incl. 3-A TPV verification)                                |     |
|            | S                          | (CLEANadapt G1"; without 3-A TPV verification)                            |     |
|            | Measurement range absolute |   |     |
|            | 2ABS                       | (absolute pressure cell 0...2 bar)  |     |
|            | 3ABS                       | (absolute pressure cell 0...3 bar)  |     |
|            | 7ABS                       | (absolute pressure cell 0...7 bar)  |     |
|            | 14ABS                      | (absolute pressure cell 0...14 bar)                                       |     |
|            | 20ABS                      | (absolute pressure cell 0...20 bar)                                       |     |
|            | [end value] ABS            | other absolute pressure range, specify required range in "bar" with "ABS" |     |
|            | Measurement range relative |   |     |
|            | 1REL                       | (relative pressure cell 0...1 bar)  |     |
|            | 2REL                       | (relative pressure cell 0...2 bar)  |     |
|            | 3REL                       | (relative pressure cell 0...3 bar)  |     |
|            | 7REL                       | (relative pressure cell 0...7 bar)  |     |
|            | 14REL                      | (relative pressure cell 0...14 bar)                                       |     |
|            | 20REL                      | (relative pressure cell 0...20 bar)                                       |     |
|            | 34REL                      | (relative pressure cell 0...34 bar)                                       |     |
|            | -1...1REL                  | (relative pressure cell -1...1 bar)                                       |     |
|            | -1...2,5REL                | (relative pressure cell -1...2,5 bar)                                     |     |
|            | -1...6REL                  | (relative pressure cell -1...6 bar)                                       |     |
|            | -1...13REL                 | (relative pressure cell -1...13 bar)                                      |     |
|            | [end value] REL            | other relative pressure range, specify required range in "bar" with "REL" |     |
|            | Electrical connection      |   |     |
|            | M12                        | (M12-Stecker 1.4305)  |     |
| DAN-HH /   | S /                        | 14ABS /   | M12 |

## TECHNICAL DATA

|                            |   |
|----------------------------|---|
| Approvals                  | 3-A, FDA  |
| Area of application        | Food  |
| IP class                   | IP69K   |
| Material of sensor housing | Stainless steel AISI 304                                  |
| Material of wetted parts   | Stainless steel 316L                                      |
| Measurement range          | 0 ... 34 bar rel., -1 ... 13 bar rel. / 0 ... 20 bar abs. |
| Supply voltage dc max      | 36 V DC   |
| Supply voltage dc min      | 12 V DC   |
| Surface finish             | 0,6 µm Ra   |
| Temperature ambient from   | -20 °C  |
| Temperature ambient to     | 50 °C   |
| Temperature of media from  | 0 °C  |
| Temperature of media to    | 150 °C  |