

Climatic Independent Level Sensor LAR

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HYGIENIC

Application / Specified usage

- Hydraulic level measurement in food and pharma
- Special applicable for water for storage vessels

Application examples

- Level measurement in cooled milk vessels
- Hydraulic level measurement at bottom side of vessel
- Difference pressure measurement with 2 x LAR and evaluation device
- Measurement up to 120 °C (240 °F) maximum temperature

Hygienic design / Process connection

- Hygienic process connection with CIP/Washjet
- Construction 2 x 4 sanitary Standard for vessels with 2000 l (528 gal)
- All contact materials are 316L stainless
- Seals completely made of stainless steel
- Complete avoidance of process connections on outer side
- The Anderson-Negele CIP/Washjet system offers a clean optimized hygienic and easily-maintainable installation solution for sensors.

Features / Advantages

- CIP / WIP cleaning up to max. 1 cycle / 15 min. 90 min. Protection from dirt (with cable connection)
- Measurement cell without any contact to atmosphere, fully closed measurement system
- No dirt or debris caused by condensation
- Very high accuracy and long-term stability
- CE Marking, FDA approved
- Factory air-tight calibration
- Temperature with measurement transmitter 4...20 mA
- 2 years warranty
- From both stainless steel sensor cell

Options / Accessories

- Special pressure ranges, special pressure calibration as needed
- Electrical connection with PIG plug in connector
- Preassembled cable for PIG plug in connector

Measuring principle

The pressure sensor utilizes an internal piezoelectric transducer to convert the mechanical pressure into a corresponding mV signal. The mV signal then passes through custom linearization and conditioning of entry. The resulting signal is an industry standard 4...20 mA, according to the specified usage. In addition, advanced circuitry handles temperature compensation to ensure a stable reading during all phases of operation.

Authorizations



LAR 346



Measuring principle

