

Product Information LAR-361 | LAR-761

FOOD

Climatic Independent Level Sensor LAR



Application / Specified usage

- Hydrostatic level measurement in humid ambience
- Special applicable for exterior storage vessels

Application examples

- Level measurement in cooled milk vessels
- Hydrostatic level measurement at bottom side of vessel
- Difference pressure measurement with 2 x LAR and evaluation device
- Measurement up to 130 °C (265 °F) medium temperature

Hygienic design / Process connection

- Hygienic process connection with CLEANadapt
- Conforming to 3-A Sanitary Standard for versions with DIRECTadapt
- All wetted materials are FDA-conform
- Sensor completely made of stainless steel
- Complete overview of process connections: see order code
- The Anderson-Negele CLEANadapt system offers a flow-optimized, hygienic and easily sterilizable installation solution for sensors.

Features / Advantages

- CIP-/SIP-cleaning up to 140 °C (284 °F) / max. 30 min
- Protection class IP 69 K (with cable connection)
- Measurement cell without any contact to atmosphere, fully closed measurement system
- No drift problems caused by condensation
- Very high accuracy and long term stability
- Oil filling, FDA approved
- Factory or field calibration
- Integrated two-wire measurement transducer 4...20 mA
- 3 years warranty
- Front-flush stainless steel sensor cell

Options / Accessories

- Special pressure ranges, specific pressure calibration ex works
- Electrical connection with M12 plug-in connector
- Preassembled cable for M12 plug-in connector

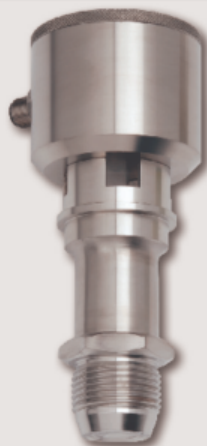
Measuring principle

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 circuitry. The resulting signal is an industry standard 4...20 mA, according to the specified range. In addition, onboard circuitry handles temperature compensation to ensure a stable reading during all phases of operation.

Authorizations



LAR-361



Measuring principle

