

Level Sensor with M12 Thread Hygienic



Application/intended use

- Limit detection of aqueous and conductive media in vessels and pipes with minimum conductivity. The conductivity depends on the evaluation device: 1 $\mu\text{S}/\text{cm}$ when using external evaluation units, e.g. VNV series or ZNV-Z, and 10 $\mu\text{S}/\text{cm}$ when using the internal evaluation unit MNV-1C or MNV-M.

Application examples

- Limit detection of fluids in vessels (where the sensor is built in from the side) or pipes
- Full alarm in vessels and tanks where the sensor is built in from the top
- Empty alarm in vessels and tanks where the sensor is built in from the bottom
- Product monitoring in pipes
- Pump/dry-running protection
- Level control in tanks
- Overfill protection in dosing systems

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 and PEEK, coating made of PFA
- 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.

Special features/advantages

- CIP/SIP cleaning up to 143 °C/120 minutes max.
- Defined position of the cable entry
- Available with or without an integrated level transmitter
- Different electrical connections available
- Rods may be shortened and twisted as needed
- Miniature edition, installation in pipes beginning at DN15 possible
- Fully molded to avoid condensation

Options/accessories

- High-temperature version available (with 100-mm spacer; for use in processes with constant temperatures of up to 140 °C)
- Fixed cable also available in other cable lengths

Selection of the right sensor type

- **Coating**
For foamy, adhesive (e.g. yoghurt) and/or wetting media (e.g. alkaline solutions), we suggest using a sensor with a coated rod.
Sensors with non-coated rods are only suitable for aqueous, non-adhesive and non-wetting media.
- **Temperature**
If a sensor with an integrated level transmitter MNV is needed, we suggest using the high-temperature version with a spacer if the medium temperature exceeds 60 °C (option H).

Authorizations



NVS-041



NVS-061



NVS-046

