

# Level Sensor with M12 Thread Hygienic



## Application/Intended use

- Exact detection of presence and absence for media in vessels and pipes with excellent conductivity. The conductivity depends on the installation. Media is placed above sensing electrode units, e.g. 100% water or 20% L and 80% glycerol above sensing electrode evaluation and 100% or 100% H<sub>2</sub>O.

## Application examples

- Exact detection of fluids in vessels (where the sensor is built in from the side) or pipes
- Fall detection in vessels and tanks where the sensor is built in from the top
- Empty detection in vessels and tanks where the sensor is built in from the bottom
- Process monitoring in pipes
- Regulatory monitoring processes
- Level control in tanks
- Overfill protection in dosing systems

## Hygienic design/good practices

- Hygienic process sensors that comply with CE/US/Canada
- Complying with 3-A Sanitary Standard (the versions with 304L Sledge)
- All contact materials are FDA-compliant
- Seals completely made of stainless steel and PEEK, coating made of PFA
- Complete absence of process connections on cable side
- The Anderson-Negele 3-A Sanitary system offers a clean, optimized, hygienic and easy-maintainable installation solution for sensors

## Special features/benefits

- CEMP (cleaning cycle) up to 2 °C/3.0 minutes max.
- Rotated position of the cable entry
- Available with or without an integrated level transmitter
- Different electrical connections available
- Back may be shortened and ordered as needed
- Minimum cables, installation in pipes depending on what is possible
- Fully sealed to avoid contamination

## Options/accessories

- High temperature version available (only with one piece, for use in processes with constant temperatures of up to 120 °C)
- Fixed cable also available in other cable lengths

## Selection of the right sensor type

- Coating**  
For better adhesion (e.g. copper) and/or coating (e.g. silicon solution) we suggest using a sensor with a coated rod.
- Sensors with non-coated rods are only suitable for aqueous non-adhesive and non-corrosive media.
- Temperature**  
If a sensor with an integrated level transmitter (ML) is needed, we suggest using the high temperature version with a special if the medium temperature exceeds 60 °C (up to 120 °C).

## Authorizations



## M12-044



## M12-061



## M12-066

