

More process reliability in phase separation Inline Conductivity Meter ILM-4



EXTENDED WARRANTY

Experience our quality promise:

The ILM-4, now comes with an extended warranty of 5 years. The general terms and conditions apply. For further information see www.anderson-negele.com



Benefits in production and CIP / SIP

ILM-4 with IO-Link and 4...20 mA enables an active, automated, and temperature compensated phase separation. This applies to different media in production processes and the CIP / SIP return of acid / caustic / water.

These media can be drained or returned to the storage tanks in the highest possible grade through precise inline conductivity measurement. The multiple use of the cleaning media ensures maximum cost efficiency and environmental protection.

Benefits in cleaning agents' concentration control

For an optimal and reproducible cleaning result, each cleaning agent must be concentrated to the specified value by re-dosing with concentrate and freshwater. This is ensured by the highly accurate measurement of conductivity with the ILM-4.

Advantages of the ILM-4 sensor

- Minimum response time (1.2 s) for maximum efficiency
- Ready for IoT: digital IO-Link interface and analog 4...20
 mA data transmission in parallel
- Precise phase separation of different media means less product loss and cost minimization
- Optimum multiple use of the cleaning chemicals due to correct return to the respective tanks
- Minimization of cleaning time and water consumption: inline conductivity analysis for active switching after reaching the desired value and not after a fixed time
- Precise concentration control of the cleaning agents
- · Reliable product monitoring/quality assurance
- · Very favorable price-performance ratio







Technical data at a glance

- Extremely compact & robust conductivity sensor
- Hybrid technology with digital + analog interface (IO-Link + 4...20 mA): from simple data transfer to intelligent communication
- · Fast sensor response time: approx. 1.2 s
- Modular design: configurable from the lowpriced basic version to the high-end model
- Wetted sensor head made of 100 % PEEK prevents thermal stress cracking
- · Measuring range selectable: 1...999 mS/cm
- Reproducibility ≤ 1 % of measured value
- Fully compensated measurement up to 130 °C, CIP/SIP cleaning up to 150 °C / 60 min.
- Remote version with Smart Replace Design:
 Easy plug&play replacement of components



Modular Sensor platform with IO-Link and 4...20 mA

The Flex-Hybrid Technology with IO-Link and 4...20 mA combines the best of both worlds: Data from the sensor can be transmitted digitally, analogously or in parallel. The bidirectional communication enables status control and preventive maintenance at any time to avoid production downtimes. Installation and commissioning are time- and cost-saving thanks to plug-and-play technology, and sensor replacement is easier than ever before thanks to "Smart Replace Design" with automatic detection, configuration, and parameterization.

