

Product Information ILM-4

FOOD

Inductive Conductivity Meter ILM-4



Application/Specified Usage

- Inductive measurement of the specific conductivity of liquid media in the range of 0...999 mS/cm.
- Designed for hygienic applications in food-, beverage- and pharmaceutical industries.

Application Examples

- Controlling of CIP processes (e. g. phase separation detergents/water)
- Concentration measurement (e. g. Alkali and acid concentration in remaking)
- Monitoring of product quality, quality control

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 150 °C/maximum 60 minutes
- Wear-free, inductive measurement
- In contrast to conductive measurement procedures, no problems with electrode deterioration or polarization.
- Accurate measurement through compensation of temperature influences.
- High reproducibility of $\leq 1\%$ of measurement value.
- Analog outputs for conductivity and temperature are a standard feature.
- Analog outputs for conductivity, temperature or concentration are freely adjustable.
- Rapid temperature response time T_{90} 15...60 s
- Installation in tube diameters from DN 40

Options/Accessories

- Version with longer toroid housing for pipes \geq DN 65 or for installation into T-fitting
- Preassembled cable for M12 plug-in connector
- Display module Simple User Interface (SUI) and Large User Interface (LUI)
- Remote version with cable length up to 30 m

Communication

 IO-Link
  4...20 mA

ILM-4 / L20 Compact Version



ILM-4R / L20 Remote Version



Large User Interface (LUI)

