Product Information ILM-4 **FOOD**

Inductive Conductivity Meter ILM

CLEANadapt

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

- Use of Negele CLEANadapt build-in system results in a hygienic installation situation that is free of gaps and dead space and is easy to sterilize.
- Process connection G1" hygienic or Tri-Clamp, adapters available for milk pipe (DIN 11851), Varivent, DRD (see CLEANadapt product information)
- CIP/SIP cleaning up to 150°C/maximum 60 minutes
- All parts with product contact are FDA-compliant
- Sensor made entirely of stainless steel, submersible body made of PEEK
- Conformity with 3-A standard

Features/Advantages

- 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 ≤ 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

- Electrical connection via M12 plug-in connector
- Version with longer toroid housing for pipes ≥ 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

Authorizations

FDA 3-A 74-06

ILM-4 / L20 Compact Version

ILM-4 / L20 Remote Version

Large User Interface (LUI)