

Inductive Conductivity Meter ILM



Application-Specific Design

Inductive measurement of the specific conductivity of liquid media in the range of 0...2000 µS/cm.
Designed for hygienic applications for food, beverage and pharmaceutical industries.

Application Examples

- Controlling of pH processes (e.g. phase separation during brewing)
- Concentration measurement (e.g. NaOH and acid concentration in bottling)
- Monitoring of product quality, quality control

Hygienic Design/Process Construction

Use of Sterile-CL Technology built in system results in a hygienic installation situation that is free of gaps and dead space and is easy to clean.
Process connection (2" Tri-Clamp or 1 1/2" Tri-Clamp, stainless steel) for milk pipe (316L) or other, stainless steel (see ILM 4 Inductive product information).
IP69K (including up to 120°C, maximum 30 seconds).
All parts with product contact are FDA compliant.
Sensor made entirely of stainless steel, submersible body made of PEEK.
Conforms with 3-A standard.

Features/Benefits

- Non-fouling inductive measurement
- No maintenance needed (no measurement granules, no problems with electrode deterioration or polarization)
- In-situ measurement through compensation of temperature influences.
- High reproducibility of ± 0.1% of measurement value.
- Working outputs for conductivity and temperature are a standard feature.
- Working outputs for conductivity, temperature or concentration are freely selectable.
- Rapid temperature response time: T₉₀ 15...40 s
- Low alkaline molar absorption from 0.01 M

Options/Accessories

- Electrical connection via fiber plug for connection
- Version with longer cable housing for pipes 1.5M fit or for installation into 1.5" fitting
- Pre-washed cable for 316L plug in stainless
- Display module Single Line for ILM 4 (2.8" color) or large flow rate for ILM 4 (4" flow rate)
- Remote version with cable length up to 100m

Authorizations



ILM 4 / ILM Compact Version



ILM 4 / ILM Remote Version



Large-View Interface (LVI)

