



Product Information ILM 4

FOOD

Inductive Conductivity Meter ILM

NEW PRODUCT

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 Connection

Use of Sterile-CL (SCL) design leads to 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, also plug available for milk pipe DIN 11851) (optional, 3/4" Tri-Clamp) (ask for detailed product information)
SCLMP (cleaning up to 120°C, maximum 60 minutes)
All parts with product contact are FDA compliant
Sensor made entirely of stainless steel, submersible body made of PPS
Conforms with CE marking

Features/Benefits

Non-invasive inductive measurement
No contact means no measurement problems, no problems with electrode deterioration or polarization
Invasive measurement through compensation of temperature influences
High reproducibility of ± 0.1% of measurement value
Measuring outputs for conductivity and temperature are standard features
Measuring 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 leading for pipes 1.5M fit or for installation into 1" fitting
Pre-wired cable for 4-20 mA plug-in connection
Display module Single Line for 1.5M fit or 1.5M fit large flow rate flow (1.5M)
Remote version with cable length up to 100m

Authorizations



ILM 4/1.5M Compact Version



ILM 4/1.5M Remote Version



Large-View Interface (LVI)

