

Conductivity compact device Smartec CLD132

Toroidal conductivity measuring system for hygienic applications



More information and current pricing:

www.be.endress.com/CLD132

Benefits:

- Engineered for quick temperature response
- Hygienic design avoids recontamination
- Suitable for cleaning-in-place (CIP) and sterilization-in-place (SIP)
- Low risk of soiling due to encapsulated sensor

Specs at a glance

- **Measurement range** 100 μ S/cm - 2000 mS/cm
- **Process temperature** max. 140°C (max. 30 min.) 284°F (max. 30 min.)
- **Process pressure** max. 12 bar (90°C) (174 psi(194°F))

Field of application: Smartec CLD132 is a measuring system for inductive conductivity in the food & beverage industry. The combination of a transmitter and a sensor is interference-free, easy-to-use and features a hygienic design that protects your products and processes from contamination. Moreover, Smartec CLD132 is equipped with a stainless steel temperature sensor that gives you an ultrafast temperature response for reliable measurement in separation applications.

Features and specifications

Conductivity

Measuring principle

Inductive

Conductivity

Application

- Alkali/acid concentration control - phase separation in pipe systems - monitoring and control of bottle cleaning systems - product monitoring in breweries, dairies and the beverage industry - CIP system control

Characteristic

Compact measuring system for an inductive conductivity measurement special made for media with a high conductivity.

Measurement range

100 μ S/cm - 2000 mS/cm

Measuring principle

Inductive measuring system including transmitter and sensor.

Design

Compact transmitter made of stainless steel with an inductive sensor made of PEEK in a separate or compact version.

Material

Housing: Stainless steel 1.4301 polished Window: Polycarbonate Sensor: PEEK, stainless steel 1.4435 Sealing: Chemraz

Process temperature

max. 140°C (max. 30 min.)
284°F (max. 30 min.)

Process pressure

max. 12 bar (90°C)
(174 psi(194°F))

Temperature sensor

Pt100

Ex certification

No

Ingres protection

IP67

Conductivity

Input

One-channel transmitter incl. temperature.

Output / communication

Conductivity and temperature 0/4-20 mA, HART, Profibus.

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