

## Conductivity compact device Smartec CLD132

Inductive conductivity measuring system for applications with fast temperature changes



More information and current pricing:

[www.endress.com/CLD132](http://www.endress.com/CLD132)

### Benefits:

- Engineered for quick temperature response
- Low risk of soiling due to encapsulated sensor
- Insensitive to polarization

### Specs at a glance

- **Measurement range** 100  $\mu\text{S}/\text{cm}$  - 2000  $\text{mS}/\text{cm}$
- **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. The combination of a transmitter and a sensor is interference-free, easy-to-use and features 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

#### 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

## Conductivity

**Characteristic**

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

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**Measurement range**

100  $\mu$ S/cm - 2000 mS/cm

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**Measuring principle**

Inductive measuring system including transmitter and sensor.

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**Design**

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

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**Material**

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

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**Process temperature**

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

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**Process pressure**

max. 12 bar (90°C)  
(174 psi(194°F))

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**Temperature sensor**

Pt100

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**Ex certification**

No

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**Ingres protection**

IP67

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**Input**

One-channel transmitter incl. temperature.

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## Conductivity

### Output / communication

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

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