

# Analog conductivity sensor Indumax CLS52

## Inductive conductivity sensor for applications with fast temperature changes



More information and current pricing:

[www.cz.endress.com/CLS52](http://www.cz.endress.com/CLS52)

### Benefits:

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

### Specs at a glance

- **Measurement range** 0.1 to 2000 mS/cm
- **Process temperature** Max. 125°C (short time up to 140°C) max. 257°F (short time up to 284°F)
- **Process pressure** Max. 16 bar at 90 °C (Max. 232 psi at 194 °F)

**Field of application:** The Indumax CLS52 inductive conductivity sensor is equipped with a stainless steel temperature sensor that gives you an ultrafast temperature response to measure exactly in separation applications.

## Features and specifications

### Conductivity

#### Measuring principle

Inductive

#### Application

Food, pharmaceuticals

#### Characteristic

Hygienic inductive measuring cell for conductivity measurements, concentration control, CIP-control, cleaning and phase separation.

---

## Conductivity

**Measurement range**

0.1 to 2000 mS/cm

---

**Measuring principle**

Inductive conductivity measurement.

---

**Design**

Hygienic inductive conductivity cell with an outside temperature sensor for a faster temperature reading.

---

**Material**

Sensor: PEEK

Heat contact nut: stainless steel 1.4435

Sealing: Chemraz

---

**Dimension**

Coil: outside diameter: appr. 47 mm inside diameter: appr. 15 mm

---

**Process temperature**

Max. 125°C (short time up to 140°C)

max. 257°F (short time up to 284°F)

---

**Process pressure**

Max. 16 bar at 90 °C

(Max. 232 psi at 194 °F)

---

**Temperature sensor**

Integrated Pt100 in a heat contact nut

---

**Ex certification**

ATEX

---

**Connection**

Process connections: dairy fitting, Clamp, thread 1,5", Varivent, APV, Perlick, SMS cable: fixed cable connection.

---

**Ingres protection**

IP67

---

Conductivity

**Additional certifications**

Calibration certification.

---

More information [www.cz.endress.com/CLS52](http://www.cz.endress.com/CLS52)