

Analog conductivity sensor

Indumax CLS52

Toroidal conductivity sensor for hygienic and sterile applications



Benefits:

- Engineered for quick temperature response
- Hygienic design avoids contamination
- Suitable for cleaning-in-place (CIP) and sterilization-in-place (SIP)
- 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)

More information and current pricing:

www.de.endress.com/CLS52

Field of application: The Indumax CLS52 inductive conductivity sensor protects your products and processes in the food & beverage industry. It 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

Conductivity

Characteristic

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

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.

Conductivity

Ingres protection

IP67

Additional certifications

Calibration certification.

More information www.de.endress.com/CLS52