

Analog conductivity sensor Condumax CLS15

Conductive conductivity sensor for standard applications in pure and ultrapure water



Benefits:

- Reliable and accurate measuring values at low conductivities
- Easy to clean thanks to polished measuring surfaces
- Sterilizable
- Robust design for high durability
- Different cell constants provide a wide measuring range
- Quality certificate stating the individual cell constant

Specs at a glance

- **Measurement range** $k=0,01$: 0-20 $\mu\text{S}/\text{cm}$ $k=0,1$: 0-200 $\mu\text{S}/\text{cm}$
- **Process temperature** max. 130°C (150°C / 30 min.) (max. 266°F (302°F/30 min.))
- **Process pressure** max. 12 bar at 20°C (174 psi at 68°F)

Field of application: Condumax CLS15 is the ideal choice for conductivity measurement in low measuring ranges. It performs reliably and accurately in a wide range of applications - even in hazardous areas. Designed for low maintenance and a long operating life, the sensor offers real value for money.

Features and specifications

Conductivity

Measuring principle

Conductive

Application

Water, power plant, process

Conductivity

Characteristic

2-electrode conductivity cell for pure and ultrapure water

Measurement range

k=0,01: 0-20 $\mu\text{S}/\text{cm}$

k=0,1: 0-200 $\mu\text{S}/\text{cm}$

Measuring principle

Conductive conductivity cell with polished stainless steel electrodes

Design

2-electrode conductivity sensor with coaxially arranged electrodes, electropolished

Material

Electrode: 1.4435

Electrode shaft: PES

Dimension

Electrode diameter: 16 mm

(0.62 inch)

Electrode length: appr. 55 mm

(2.14 inch)

Process temperature

max. 130°C (150°C / 30 min.)

(max. 266°F (302°F/30 min.)

Process pressure

max. 12 bar at 20°C

(174 psi at 68°F)

Temperature sensor

Pt100

Ex certification

ATEX

Conductivity

Connection

Process connection: 1/2" NPT, 3/4" NPT, 1 1/2" Clamp
cable : 4-pole SXP connector or fixed cable

Ingress protection

IP67

Additional certifications

Calibration certification of the cell constante.



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