

Analog conductivity sensor Condumax CLS21

Conductive conductivity sensor for medium to high measuring ranges



Benefits:

- Reliable and accurate measuring values at medium to high conductivities
- Robust design for long durability and low maintenance
- High chemical, thermal and mechanical stability
- Quality certificate stating the individual cell constant

Specs at a glance

- **Measurement range** $k=1$: 10,0 $\mu\text{S/cm}$ - 20,0 mS/cm
- **Process temperature** max. 135°C (max. 275°F)
- **Process pressure** max. 16 bar at 20°C (max. 232psi at 68°F)

Field of application: Condumax CLS21 is a robust conductivity sensor for all process and environmental applications. It provides you with precise and reliable measuring values for an optimum process and product quality monitoring. Better still, the sensor features high chemical, thermal and mechanical stability and high durability.

Features and specifications

Conductivity

Measuring principle

Conductive

Application

Water, waste water, process, media separation, industrial water.

Characteristic

2-electrode system for application in the middle application range.

Conductivity

Measurement range

k=1: 10,0 µS/cm - 20,0 mS/cm

Measuring principle

Conductive conductivity cell with graphite electrodes for applications in the middle range.

Design

2-electrode system with parallel arranged electrodes

Material

Cell shaft: PES

Electrodes: graphite

Dimension

Diameter: 24 mm

(0.936 inch)

Length: 61 mm

2.37 inch)

Process temperature

max. 135°C

(max. 275°F)

Process pressure

max. 16 bar at 20°C

(max. 232psi at 68°F)

Temperature sensor

Optional with integrated Pt100 or PTC temperature sensor.

Ex certification

ATEX

Connection

Process connection: DN25, DN40, G1", Cable: 4-pole connector with thread Pg9 or fixed cable.

Conductivity

Ingress protection

IP65 (connector) IP67 (fixed cable)



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