

## Digital conductivity sensor Condumax CLS21D

### Memosens conductive conductivity sensor for medium to high measuring ranges



More information and current pricing:

[www.th.endress.com/CLS21D](http://www.th.endress.com/CLS21D)

#### 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
- Logging of sensor-specific data for easy traceability and predictive maintenance
- Maximum process safety via non-contact inductive signal transmission

#### Specs at a glance

- **Measurement range**  $k=1$ : 10  $\mu\text{S}/\text{cm}$  to 20  $\text{mS}/\text{cm}$
- **Process temperature** -20 to 135 °C at 3.5 bar abs (-4 to 275 °F at 50 psi)
- **Process pressure** 17 bar abs at 20 °C (246 psi at 68 °F)

**Field of application:** Condumax CLS21D 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. Condumax CLS21D is not the latest Memosens generation. To get information on the new Memosens CLS21E sensor with extended functionality, click [here](#).

#### Features and specifications

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## Conductivity

**Measuring principle**

Conductive

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**Application**

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

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**Characteristic**

2-electrode system for application in the middle application range

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**Measurement range**

k=1: 10  $\mu$ S/cm to 20 mS/cm

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**Measuring principle**

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

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**Design**

2-electrode system with parallel arranged electrodes

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**Material**

Sensor shaft: PES

Electrodes: graphite

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**Dimension**

Diameter: 24 mm (0.94 inch)

Length: 61 mm (2.40 inch)

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**Process temperature**

-20 to 135 °C at 3.5 bar abs

(-4 to 275 °F at 50 psi)

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**Process pressure**

17 bar abs at 20 °C

(246 psi at 68 °F)

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**Temperature sensor**

NTC 30K

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## Conductivity

### Ex certification

ATEX, NEPSI, EAC

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### Connection

Process connection: DN25, DN40, G1, NPT 1"

Cable: Memosens connector CYK10

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### Ingres protection

IP68 (connector)

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