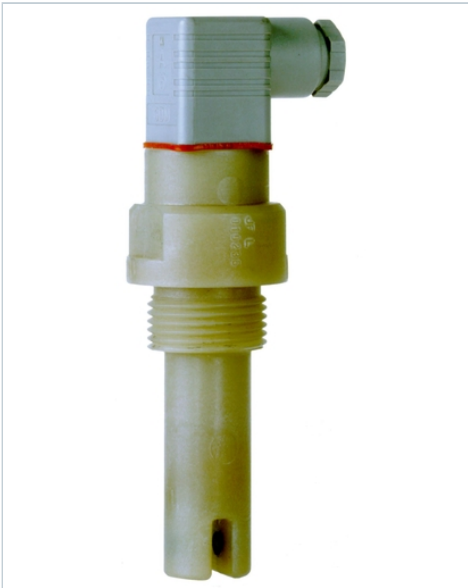


# Analog conductivity sensor Condumax CLS21

## Conductive conductivity sensor for medium to high measuring ranges



More information and current pricing:

[www.ca.endress.com/CLS21](http://www.ca.endress.com/CLS21)

### 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  $\mu\text{S}/\text{cm}$  - 20,0  $\text{mS}/\text{cm}$
- **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  $\mu$ S/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

### Ingres protection

IP65 (connector) IP67 (fixed cable)

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