

# Analog conductivity sensor Condumax CLS15

Conductive conductivity sensor for standard applications in pure and ultrapure water



More information and current pricing:

[www.de.endress.com/CLS15](http://www.de.endress.com/CLS15)

## 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

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### Ingres protection

IP67

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### Additional certifications

Calibration certification of the cell constante.

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