Analog conductivity sensor Condumax CLS13

Conductive conductivity sensor for high temperature applications in the power & energy industry

More information and current pricing:
www.endress.com/CLS13

Benefits:

- Reliable and accurate measuring values at low conductivities
- Optimized for high pressures and temperatures up to 250°C (482°F)
- Easy cleaning thanks to stainless steel body and removable outer electrode
- Robust design for high durability
- Quality certificate stating the individual cell constant

Specs at a glance

- **Measuring range** k=0,01: 0-20,0 µS/cm k=0,1: 0-200,0 µS/cm
- **Process temperature** max. 250 °C (482 °F)
- **Process pressure** max. 40 bar (580 psi)

Field of application: Condumax CLS13 is a robust conductivity sensor for steam/water cycles in power plants. It is optimized for low conductivities (even under very high temperatures and pressures) to protect your processes from deposits and corrosion. Low maintenance and simple to commission (large connection compartment), this is the ideal sensor for tough environments.

Features and specifications

Conductivity

Measuring principle
Conductive

Conductivity

Application
Process, power plant

Characteristic
2-electrode conductivity cell for high temperature applications.

Measuring range
k=0,01: 0-20,0 µS/cm
k=0,1: 0-200,0 µS/cm

Measuring principle
Coaxially arranged electrodes for high temperature applications

Design
2-electrode conductivity cell with coaxially arranged electrodes
Connection head and cooling body made of casting aluminium with fixed cable connection PG16

Material
Electrode: 1.4571
Sealing: Kalrez, ceramic

Dimension
Electrode diameter: 25 mm (0.984 inch)
Immersion depth: 50 to 115 mm (1.97 to 4.48 inch)
Weight: 3kg

Process temperature
max. 250 °C (482 °F)

Process pressure
max. 40 bar (580 psi)

Temperature sensor
Integrated Pt100

Ex certification
ATEX

Conductivity

Connection

Process connection: G1"

Ingress protection

IP67

Additional certifications

Calibration certificate with cellconstant

More information **www.endress.com/CLS13**

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