

Digital conductivity sensor Memosens CLS15E

Memosens 2.0 contacting conductivity sensor for standard applications in pure and ultrapure water



Más información y precios actuales:

www.ar.endress.com/CLS15E

Ventajas:

- Designed for low maintenance and a long operating life, the sensor offers best value for money.
- The sensor is sterilizable and autoclavable, allowing for installation in sterile plants.
- Thanks to its electrode geometry, Memosens CLS15E provides reliable and accurate measured values at low conductivities.
- A quality certificate stating the individual cell constant enables perfect adjustment of the measuring point.
- IIoT ready: Memosens 2.0 offers extended storage of calibration and process data, enabling better trend identification and providing a future-proof basis for predictive maintenance and enhanced IIoT services.
- Non-contact inductive signal transmission ensures maximum process safety.

Resumen de especificaciones

- **Rango de medición** $k=0,01$: 0.04 to 20 $\mu\text{S}/\text{cm}$ $k=0,1$: 0.10 to 200 $\mu\text{S}/\text{cm}$
- **Temperatura del proceso** Threaded with fixed cable: -20 to 100 °C (-4 to 212 °F) Threaded with plug-in head: -20 to 120 °C (-4 to 248 °F) Sterilization: max. 140 °C (284 °F) for 30 minutes
- **Presión de proceso** 13 bar at 20 °C (188 psi at 68 °F) absolute 1 bar at 120 °C (14 psi at 248 °F) absolute

Ámbito de aplicación: Memosens CLS15E is perfectly suited for conductivity measurement in applications with low measuring ranges such as boiler feedwater and chip cleaning. The contacting conductivity

sensor performs reliably and accurately even in hazardous areas. CLS15E features Memosens 2.0 digital technology, offering extended storage of calibration, adjustment and process data. It facilitates predictive maintenance and provides the perfect basis for IIoT services.

Características y especificaciones

Conductividad

Measuring principle

Conductivo

Aplicación

Measurement in pure and ultrapure water range

Monitoring of ion exchangers

Reverse osmosis

Distillation and chip cleaning

Característica

Digital 2-electrode conductivity sensor

Rango de medición

k=0,01: 0.04 to 20 $\mu\text{S}/\text{cm}$

k=0,1: 0.10 to 200 $\mu\text{S}/\text{cm}$

Principio de medición

Conductive conductivity cell with electropolished stainless steel electrodes

Diseño

2-electrode conductivity cell with coaxially arranged electrodes, electropolished

Material

Electrode: stainless steel 1.4435

Electrode shaft: PES

Conductividad

Dimensión

Electrode diameter: 16 mm (0.63 inch)

Electrode length: appr. 55 mm (2.17 inch)

Temperatura del proceso

Threaded with fixed cable:

-20 to 100 °C (-4 to 212 °F)

Threaded with plug-in head:

-20 to 120 °C (-4 to 248 °F)

Sterilization: max. 140 °C (284 °F) for 30 minutes

Presión de proceso

13 bar at 20 °C (188 psi at 68 °F) absolute

1 bar at 120 °C (14 psi at 248 °F) absolute

Sensor de temperatura

Pt1000

Certificación Ex

ATEX, NEPSI, CSA, IECEX, INMETRO, EAC Ex

Conexión

Process: 1/2" and 3/4" NPT, Clamp 1 1/2"

Sensor connection: Inductive, digital connection head with Memosens 2.0 technology

Protección contra ingreso

IP68

Certificados adicionales

Calibration certification of the cell constante and temperature, material certification 3.1

Más información www.ar.endress.com/CLS15E