Analog conductivity sensor Condumax CLS16

Conductive conductivity sensor for hygienic applications in pure and ultrapure water

More information and current pricing:
www.endress.com/CLS16

Benefits:

- Highest precision and measuring accuracy
- Hygienic design certified by EHEDG
- Certified biocompatibility according to USP class VI and FDA compliance of all wetted materials
- Sterilizable
- Quality certificate stating the individual cell constant

Specs at a glance

- **Measurement range** k=0,1: 0,04µS/cm - 500µS/cm
- **Process temperature** Max. 120°C (150°C/30 min) max. 248°F (302°F/30 min.)
- **Process pressure** max. 12 bar at 20°C max.174 psi at 68°F

Field of application: Condumax CLS16 is a high-end conductivity sensor with certified hygienic design. It measures with highest precision providing you with reliable data for optimum process and product quality. Numerous certificates and various hygienic process connections ensure the perfect fit for your process.

Features and specifications

Conductivity

Measuring principle
Conductive

Application
Pharmaceuticals, pure and ultrapure water

Conductivity

Characteristic
Hygienic 2-electrode conductivity sensor

Measurement range
k=0,1: 0,04µS/cm - 500µS/cm

Measuring principle
Conductive conductivity cell

Design
Hygienic 2-electrode conductivity sensor with coaxially arranged electrodes, electropolished stainless steel and FDA sealing material; sterilizable

Material
Isolation: PEEK
Electrode: polished stainless steel 1.4435
Sealing: Isolast (FFKM) FDA conform

Dimension
Electrode diameter: 17 mm
(0.66 inch)
Electrode length: 54 mm
(2.10 inch)

Process temperature
Max. 120°C (150°C/30 min)
max. 248°F (302°F/30 min.)

Process pressure
max. 12 bar at 20°C
max.174 psi at 68°F

Temperature sensor
Integrated Pt100 or Pt1000

Ex certification
ATEX

Conductivity

Connection

Process connection: Varivent, Neumo, Clamp
Cable: TOP68 connector or fixed cable

Ingres protection

IP68

Additional certifications

- calibration certification - surface roughness Ra<0,8 (0,4)- Material certification 3.1.B - EHEDG, pharma certificate of compliance

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