



Technical Information

Condumax W CLS15 and CLS15D

Conductivity sensors, analog or digital with Memosens technology, Cell constant $k=0.01\ cm^{-1}$ or $k=0.1\ cm^{-1}$



TI109C/24/ae/10.07



Application

Measurement in pure and ultrapure water:

- Monitoring ion exchangers
- Reverse osmosis
- Distillation
- Chip cleaning

The measuring range of the sensors depends on the cell constant k:

- $k = 0.01 \text{ cm}^{-1}$: 0.04 to 20 µS/cm
- $k = 0.1 \text{ cm}^{-1}$: 0.1 to 200 µS/cm

Sensors with a temperature sensor are used together with conductivity transmitters equipped with automatic temperature compensation:

- Liquiline M CM42
- Mycom S CLM153
- Liquisys M CLM223/253

For measurement of resistivity, $\,M\Omega\cdot\text{cm}$ measuring ranges are available in the menus of these transmitters.

Your benefits

- High measuring accuracy as cell constant is individually measured
- Installation in pipes or flow chambers
- Compact design
- Available with plug-in head or fixed cable
- Easy to clean thanks to polished measuring surfaces
- Can be sterilized up to max. $140^{\circ}C (284^{\circ}F)$
- Stainless steel 1.4435 (AISI 316L)
- Quality certificate stating the individual cell constant
- Available with inspection certificate according to EN 10204 3.1

Further benefits offered by Memosens technology

- Maximum process safety through contactless inductive signal transmission
- Data safety through digital data transmission
- Easy handling thanks to storage of sensor-specific data
- Predictive maintenance possible thanks to registration of sensor load data





Note!

Ex versions of digital sensors with Memosens technology are indicated by an orange-red ring in the plug-in head.

¹⁾ Approval for CLS15D pending