

## Safe deionized water in power plants and semiconductor production

Precise and reliable online monitoring of low-range TOC values with the CA78 analyzer



### Close monitoring of your ultrapure water

The total organic carbon (TOC) content is an important quality parameter in the production and use of deionized or ultrapure water. A high TOC concentration can cause damage to water purification systems or compromise the required water quality. The CA78 online TOC analyzer provides continuous, accurate TOC monitoring ensuring consistently high quality of deionized or ultrapure water used in your production processes.

- Protecting turbines and other expensive equipment in your power plant
- Supporting successful production of semiconductors
- Ensuring high quality of body-care products
- Securing effectivity of disinfectants

### Real-time overview of water quality

The CA78 low-range TOC analyzer measures continuously, providing a fast response time ( $t_{90}$ ) of 50 seconds. This enables you to react immediately if the water quality should decrease. You can protect your product effectively, avoid product losses and reduce production costs.

### High reliability and comparability

The online analyzer uses proven UV oxidation and differential conductivity measurement which has become the most-established method for TOC trace analysis in ultrapure or deionized water.

### Efficient maintenance

- The analyzer's modular design and good accessibility of components allow for easy maintenance and low operating costs.
- Endress+Hauser's global service network offers you complete support for the measuring point, from commissioning throughout the entire lifecycle of your plant.

### Perfect adaption to your process

Select the analyzer version suitable for your process:

- High-precision version for water with a conductivity up to  $2 \mu\text{S}/\text{cm}$
- Robust version for water with a conductivity of up to  $10 \mu\text{S}/\text{cm}$
- If you need several measuring points for low-range TOC, select the optional 3-channel configuration and reduce your investment costs.



CA78: Easily accessible components

### Liquid analysis in Power & Energy - Everything out of one hand

When you are looking for best-fit instrumentation in the power and energy industry, we can provide you with devices that support efficient and reliable productivity. In the area of liquid analysis, the CA78 low-range TOC analyzer complements our solutions for critical parameters:

- Memosens CLS15E contacting conductivity sensor
- Liquiline System CA80SI silica analyzer
- CA76NA sodium analyzer
- SWAS panels

These devices are so reliable and low maintenance that you hardly need to think about them. And thanks to the fact that they are based on Memosens technology, you can plan ahead and perform the maintenance swiftly. In this way, you increase your efficiency and avoid expensive plant downtime.

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