

Low-range TOC analyzer CA78

Precise online TOC monitoring in power plants and semiconductor production



Дополнительная информация и
актуальные цены:

www.casc.endress.com/CA78

Преимущества:

- **Real-time overview of water quality:**
The online TOC analyzer measures continuously with a fast response time (t_{90}) of 50 seconds. This enables you to react immediately to potential water contamination and to protect your product effectively.
- **CA78 uses proven UV oxidation and differential conductivity measurement** which is the most-established method for reliable TOC trace analysis in ultrapure water.
- **The analyzer's maintenance-friendly design** in combination with our worldwide service network offers you complete support for the measuring point, from commissioning throughout the entire lifespan of the device.
- **Perfect adaption to your process needs:**
Select between the high-precision $2 \mu\text{S}/\text{cm}$ conductivity version and the robust version that tolerates $10 \mu\text{S}/\text{cm}$. Reduce your investment costs by the optional 3 channel configuration.

Краткие характеристики

- **Диапазон измерения** 0.5 to 1 000 $\mu\text{g}/\text{l}$ (ppb)
- **Рабочая температура** $< 50 \text{ }^\circ\text{C}$ (122 $^\circ\text{F}$)
- **Рабочее давление** max. 0.5 bar (7.25 psi)
- **Метод измерения** TOC determination by UV digestion and measurement of the differential conductivity

Назначение: Total organic carbon (TOC) content strongly influences the quality of ultrapure water. A high TOC concentration can cause damage of water purification systems or compromise the required water quality. The CA78 online TOC analyzer provides continuous, accurate TOC monitoring ensuring consistently high quality of the ultrapure water used

in your production processes. You gain full control of your product yield and quality.

Характеристики и спецификации

Анализатор

Принцип измерения

Differential conductivity

Характеристики

Total carbon (TOC) analyzer for trace levels

Метод измерения

TOC determination by UV digestion and measurement of the differential conductivity

Размер

Housing:

500 x 290 x 200 mm

19.68 x 11.41 x 7.87 in

Конструкция

Stainless steel housing;

IP 42 (standard), IP54 (optional)

Рабочая температура

< 50 °C (122 °F)

Температура окружающей среды

-5 to 50 °C (23 to 122 °F)

Рабочее давление

max. 0.5 bar (7.25 psi)

Расход проб

Min. 5 ml/min (0.17 fl.oz/min)

Консистенция проб

max. conductivity 2 μ S/cm, optional: max. 10 μ S/cm; particle free

Анализатор

Особенности

UV reactor with continuous function monitoring

Применение

Determination of total carbon in ultrapure water applications, e.g. in the power or semiconductor industry, that meet the following conditions:

Conductivity < 10 $\mu\text{S}/\text{cm}$

pH range: neutral

Источник питания

100/240 V AC, 47 - 63 Hz

Выходной сигнал

0/4 to 20 mA, galvanically isolated

Входной сигнал

1 to optional 3 measuring channels

Optional control input 24 V (for 1 channel instruments)

Диапазон измерения

0.5 to 1 000 $\mu\text{g}/\text{l}$ (ppb)

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