

# High temperature TOC analyzer CA72TOC

## Reliable online monitoring of industrial wastewater



More information and current pricing:

[www.th.endress.com/CA72TOC](http://www.th.endress.com/CA72TOC)

### Benefits:

- Process optimization: Constant safeguard against product losses.
- Cost savings: 2-channel version offers an excellent price-performance ratio.
- Reliable discharge monitoring: Configuration for fat and grease, low pH values and organic acids.
- Improved process stability and safety: Immediate readjustment of the process based on online information.
- Robust design: Self-cleaning slit filter and automatic backflush function support long maintenance intervals.
- Safe and convenient operation: Remote access and diagnostics via serial interface.

### Specs at a glance

- **Measurement range** 0.25 to 600 mg TOC/l 1 to 2400 mg TOC/l 2.5 to 6000 mg TOC/l 5 to 12000 mg TOC/l With the optional pre-dilution the measuring range will expand by the factor of 20
- **Process temperature** 0 to 40 °C (32 to 104 °F)
- **Process pressure** Pressure free

**Field of application:** CA72TOC determines the total organic carbon (TOC) content in a number of industries. It measures reliably and accurately even in heavy duty applications with high loads of salt, fat or fibers. The reliable detection of product losses increases the process yield and saves money every day. Designed for long-term stability and highest availability, the CA72TOC offers maximum operational safety of your plant. Clear diagnostic messages actively support your predictive maintenance strategy.

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## Features and specifications

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### Analyser

**Measuring principle**

UV photometric

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**Characteristic**

Analyzer for online-determination of TOC in aqueous media using thermic catalytic combustion

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**Size**

1558 x 785 x 400 mm  
61.3 x 30.9 x 15.8 inch

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**Design**

IP54

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**Process temperature**

0 to 40 °C (32 to 104 °F)

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**Ambient temperature**

5 to 35 °C (41 to 95 °F)

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**Process pressure**

Pressure free

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**Sample flow rate**

20 ml/min (0.32 US gal/hr)

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**Consistency of the sample**

Aqueous

Flammable substances are not allowed in ignitable concentrations, in such cases a sample dilution is required

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**Specials**

Heatable Salt Trap

Exchange furnace concept

pH-controlled acid dosage with TIC stripping

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## Analyser

### Application

Industrial wastewater monitoring  
Control of process wastewater  
Monitoring of industrial surface water  
Recording of the carbon load to control the nutrient dosage

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### Power supply

115 VAC, 230 VAC, 50/60Hz

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### Output / communication

0/4 to 20 mA, galvanically separated  
Two channel version has an additional one  
RS 232 C, proprietary, for data output and remote control (optional)

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### Input

8 signal inputs 24 V DC, active, load max. 500 Ohm

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### Measurement range

0.25 to 600 mg TOC/l

1 to 2400 mg TOC/l

2.5 to 6000 mg TOC/l

5 to 12000 mg TOC/l

With the optional pre-dilution the measuring range will expand by the factor of 20

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### Consumables

Stripp reagent, KHP or citric acid standard

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