

High temperature TOC analyzer CA72TOC

Reliable online monitoring of industrial wastewater



More information and current pricing:

www.ch.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.

Features and specifications

Analyser

Measuring principle

UV photometric

Characteristic

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

Size

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

Design

IP54

Process temperature

0 to 40 °C (32 to 104 °F)

Ambient temperature

5 to 35 °C (41 to 95 °F)

Process pressure

Pressure free

Sample flow rate

20 ml/min (0.32 US gal/hr)

Consistency of the sample

Aqueous

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

Specials

Heatable Salt Trap

Exchange furnace concept

pH-controlled acid dosage with TIC stripping

Analyser

Application

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

Power supply

115 VAC, 230 VAC, 50/60Hz

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)

Input

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

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

Consumables

Stripp reagent, KHP or citric acid standard

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