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Ростов-на-Дону (863)308-18-15

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Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Единый адрес: oci@nt-rt.ru Веб-сайт: www.oi.nt-rt.ru

TOC анализатор 9210e OI Analytical

Based off the Total Organic Carbon Analyzer (TOCA) used by NASA in 2008 to recycle water in the space station, the 9210e TOC Analyzer was specifically engineered to quickly, efficiently, and remotely monitor water quality in process environments using electrochemical oxidation.

The 9210e Online TOC Analyzer is specifically engineered for operation in process environments. Instrument calibration is accomplished in minutes using a simple protocol. 9210e TOC analyzers maintain excellent long-term calibration stability providing accurate and dependable data with minimal maintenance. Its “reagentless” electrochemical oxidation technique continuously monitors the total organic carbon level in process water streams allowing for rapid adjustment of the treatment process to more precisely control coagulation, flocculation, and formation of disinfection by-products, helping facilities stay in compliance and reduce costs.



9210e Features:

Continuous, real-time TOC monitoring

Employs state-of-the-art electrochemical oxidation technology

Maintains excellent long-term calibration stability, providing accurate and dependable data with minimal maintenance

Simple – A large, touchscreen display, paired with an easy-to-use interface, simplifies set-up and access to data, trending, and diagnostic screens

Operating Principle	Electrochemical oxidation
Measurement Technique	Non-dispersive infrared (NDIR) detection
Measurement Ranges (ppm)	0.100 to 25-ppm carbon
Calibration	2 point (KHP two standards)
Measurement Accuracy	+10%

Sample Introduction

Continuous Online or Manual Sipper Mode

Sample Processing / Analysis Time

5 to 10 minute intervals

Operating Environment

5 – 45 °C, up to 90% humidity (non-condensing)

Operator Interface

Windows® CE-based, color touchscreen display

Reagents Required

Phosphoric acid for TIC removal

Gas Requirements

< 200 mL/min. 99.99% N₂ or CO₂-free air

Power Requirements

24V_{DC} (Optional 24V_{DC} power supply allows operation with 90-250V_{AC}50/60Hz source)

Input Relays

2 (remote start, remote stop)

Output Relays

2 (system alarm, sample alarm)

Analog Outputs

2 4-20mA (User-configurable concentrations)

Data Export

To PC via Ethernet, or using a USB memory stick (Microsoft® Excel®-ready .csv file format)

Instrument Enclosure

NEMA 4X / IEC Class IP-56

External Dimensions

48.3 cm H x 31.1 cm W x 31.1 cm D
(19 in H x 12.25 in W x 12.25 in D)

Weight

11 kg (24 lbs)

Certifications

CE, EMC EN50082-1, and EN 55011 Group 1 Class A

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