

PRODUCT DATASHEET

QuickTODlab

COD ANALYZER FOR LABORATORIES

Online TRUE TOC for every kind of water.
Especially for the rough stuff.



Clean

Fast

ACCURATE

Applications

- Laboratories
- XXX
- XXX

Quick and precise – QuickCODlab a product you can rely on!

LAR's QuickTOCultra continually checks the TOC content of waste water. Optionally, other sum parameters can be detected aswell. At 1,200 °C, samples are completely oxidised and within 3 minutes the TRUE TOC result is determined. LAR's TOC analyzer is the most reliable

measurement system for the roughest waste water applications. Due to an unrivaled injection and oxidation technique, the QuickTOCultra easily handles sticky, fatty, salty, and high-particle samples unlike other TOC analyzers.

Applications

LAR's total organic carbon analyzer is suitable for a variety of applications and types of water, even with frequently changing sample matrixes.

- Water Influent
- Water Effluent
- Discharge Control
- Industrial Waste Water
- De-Icing Water
- Process Water
- High Salt Concentrations
- Oil-in-Water

Features

The raw water sample is oxidized at 1,200 °C and the CO₂ produced is detected and quantitatively determined.

- High Temperature Method at 1,200 °C
- Catalyst-free technique
- Batch principle
- Robotic Injection System

Benefits

Reliable determination of all ingredients of the sample and complete analysis of organic carbon compounds.

- Reliable sample analysis with high reproducibility
- Exceptionally low maintenance and operational costs
- Fast process control possible
- Response Time TOC: 1-2 minutes



Technical Data

Measurement Technique and Sample Preparation

Measurement Method	Thermal oxidation at 1,200 °C
Measurement Compliance	According to DIN EN 1484:1997-08/ ISO 8245:1999-03/ US-EPA 415.1 / ASTM D-5173
Measurement Ranges	0.1 - 50,000 mg/l (ppm) TOC, with optional dilution up to 500,000 mg/l (ppm) possible, other ranges on request
Parameter	TOC, TC, TIC, combinations with COD, TNb possible
Sensitivity	Depending on the detector/measuring range used for 0.1-100ppm --> 0.1ppm at 600µl injection volume
Oxidation Principle	High Temperature Oxidation (Non-catalytic at 1,200 °C)
Accuracy	Max. 2% of FSR
Repeatability	Max. 2% of FSR
Cycle Time	TOnly / TNb / COD_o: 1-2 min. TOCdiff: 4-5 min. TOCdirect (NPOC): 4-6 min.
Response Time	3 minutes
Sample Preparation	<ul style="list-style-type: none">• Flow Sampler - Maintenance-free particle separator• Optional homogeniser for continuous homogenisation of samples
Particle Size	Particles < 800µm

Temperature and Humidity

Permissible Sample Temperature	5-60°C / 41°F - 140°F TOnly 5-50°C / 41°F - 122°F TOC
Ambient Temperature recommended	10 to 30 °C / 50°F - 86°F
Ambient Air Humidity	Max. 80% (non condensing)

Dimensions and Weight

Housings	Steel IP54, powder-coated; Optional: Stainless steel, IP 65, EXp Zone 1 and 2 for T3, T4 classes (ATEX, IECEx)
Dimensions	W 848 x H 1100 x D 635 mm (Standard housing) W 33.4" x H 43.3" x D 25" (Standard housing)
Weight	From 115 kg / 253.6Lbs (Standard housing)

Electric and Hydraulic Specifications

Inflow and Outflow	Tube 4,8 mm ID, Tube 8 mm ID, Tube 12 mm ID Tube 0.18" ID, Tube 0.31" ID, Tube 0.47" ID
Power Supply	230 /115 V~, 50 / 60 Hz
Analogue Output	0/4 - 20 mA
Serial Interface	RS 232
Safety	2/6 A internal, 16 A external
Internet Capability	LAN, Option for WLAN
Option	Remote control via TCP/IP protocol

Equipment Devices and Data Output

TFT Touchscreen-Graphic-Display, 10,4" , high resolution, back-lit
Self explanatory software, Autostart function
Standard data interface to office PC (USA 2.0)

PREMIUM INSIGHTS – GAIN REAL-TIME INSIGHT INTO YOUR PROCESS

Process Insights' products and solutions deliver innovative and differentiated analysis and measurement solutions and technologies that add high value to our customers and protect the environment.

Our commitment is to deliver smart and affordable innovation that transforms our world that optimizes process, improves safety, and transforms our world.

CENTERS OF EXCELLENCE

PROVIDING PROVEN SOLUTIONS FROM A GLOBAL TECHNOLOGY LEADER

LAR Process Analysers AG

Neuköllnische Allee 134
12057 Berlin
Germany
+49 30 2789580
www.lar.com
info@process-insights.com

Process Insights - The Americas

4140 World Houston Parkway
Suite 180
Houston, TX 77032
USA
+1 713 947 9591
info@process-insights.com

Process Insights - EMEA

ATRICOM LAR Process Analysers AG
Lyoner Straße 15
60528 Frankfurt
Germany
+49 69 20436910
info@process-insights.com

Process Insights - APAC

Wujiang Economic and Technology
Development Zone
No. 258 Yi He Road, 215200 Suzhou
Jiangsu Province China
+86 400 0860196
info@process-insights.com

OUR PREMIUM GLOBAL BRANDS

