

PRODUCT DATASHEET

QuickCODultra

ONLINE COD ANALYZER

Online COD for every kind of water.
Especially for the rough stuff.



Superior Reliability

Fast And Precise

Maximize Profits

Applications

- De-Icing Water
- Water Influent
- Water Effluent

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

LAR's COD analyzer QuickCODultra is the most reliable measurement system for the roughest waste water applications. Due to an unrivaled injection and oxidation technique, the QuickCODultra easily handles sticky, fatty, salty, and high-particle samples unlike other COD analyzers

without the need of any hazardous chemicals. LAR's QuickCODultra continually checks the COD content of waste water. Optionally, other sum parameters can be detected, too. At 1,200 °C, samples are completely oxidized and within 1-2 minutes the COD result is determined.

Applications

Due to an unrivaled injection and oxidation technique, the QuickCODultra easily handles sticky, fatty, salty, and high-particle samples unlike other COD analyzers without the need of any hazardous chemicals.

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

Features

Without ULTRA high temperature method oxygen is used to digest all components. This demand is detected by a special oxygen detector so that the analyser truly measures the real oxygen demand.

- High temperature oxidation at 1,200 °C
- Catalyst-free technique
- Batch principle
- Robotic injection system

Benefits

The measurement of the COD takes place in less than 2 minutes. This speed guarantees that very short peaks can be determined very well during a daily cycle.

- Reliable sample analysis with high reproducibility
- Clean measurements without reagents
- Low operating costs
- Fast process control possible



Technical Data

Measurement Technique and Sample Preparation

Measurement Method	Thermal oxidation at 1,200 °C
Measurement Compliance	according to ASTM D6238 (TOC analysis)
Measurement Ranges	50 - 250.000 mg/l COD, with optional dilution up to 1,500,000 mg/l possible
Parameter	COD combination with TOC, TNb possible
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	1-2 minutes
Sample Preparation	<ul style="list-style-type: none">FlowSampler - Maintenance-free particle separatorOptional homogeniser for the continuous homogenisation of samples
Particle size	particles < 800µm

Temperature and Humidity

Permissible sample temperature	5-60°C TOnly 5-50°C TOC
Ambient Temperature recommended	10 to 30 °C
Ambient Air Humidity	max 80% (non condensing)

Dimensions and Weight

Housing	Steel, coated with powder paint, IP54; Optional: Stainless Steel, IP65, EXp Zone 1 and 2 for T3 and T4 classes (ATEX, IECEx)
Dimensions	W 848 x H 1100 x D 635 mm
Weight	from 115 kg (Standard)

Electric and Hydraulic Specifications

Inflow and Outflow	Tube 4,8mm ID, Tube 8 mm ID, Tube 12 mm 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
Option	Remote control via TCP/IP Protocol

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