

DATASHEET

QuickCODultra™

ONLINE COD (TOD) ANALYZER

Online COD (TOD) water analyzers for every kind of water - including harsh wastewater applications



Superior Reliability

Fast And Precise

Maximize Profits

Applications

- De-Icing Water
- Water Influent
- Water Effluent

Technical data

Measurement technique and sample preparation

Measurement method	Thermal oxidation at 1,200°C
Measurement compliance	According to ASTM D6238 (TOD analysis)
Measurement ranges (ppm)	150 - 30,000 or 20,000 - 250,000 COD (TOD) with optional dilution up to 1,000,000 possible
Parameter	COD (TOD) combination with TOC, TN _b possible
Oxidation principle	High temperature oxidation (Non-catalytic at 1,200°C)
Accuracy	Max. 2 % of FSR
Repeatability	Max. 2 % of FSR
Cycle time	COD (TOD): 1 - 2 min.
Response time	1 - 2 minutes
Sample preparation	<ul style="list-style-type: none">FlowSampler - maintenance-free particle separatorOptional homogenizer for the continuous homogenization of samples
Particle size	Particles < 800µm

Temperature and humidity

Permissible sample temperature	5 - 60°C COD (TOD)
Ambient temperature recommended	10 to 30°C
Ambient air humidity	Max 80 % (non condensing)

Dimensions and weight

Housing / Explosion protection	Steel, coated with powder paint, IP54; Optional: ATEX / UKEX Zone 2 / T4 IP54 stainless steel housing 5 - 35°C, II 3G Ex dc ec pzc [ib] IIC T4 Gc ATEX / UKEX Zone 1 / IECEx T4 IP54 stainless steel housing 5 - 35°C, Ex db eb pxb [ib] IIC T4 Gb
Design / Dimensions Standard housing	W 848 x H 1,100 x D 635 mm
ATEX-housing	Analyzer: W 1080 x H 1293 x D 700 mm Signal box: W 360 x H 395 x D 170 mm
Weight	From 115 kg (standard)

Electric and hydraulic specifications

Inflow and outflow	Tube 4.8 mm 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
Protection	16 A external
Option	Remote control via TCP / IP Protocol

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