



### **PRODUCT DATASHEET**

# QuickTOCuv 2

**ONLINE TOC ANALYZER** 

Continuous TOC monitoring for clean and pure water.





# **Superior Reliability**

**Fast And Precise** 

**Maximize Profits** 

# **Applications**

- Process Water
- Pure Water
- Boiler Feed Water
- Condensate Return

# Quick and precise – **QuickTOCuv** a product you can rely on!

LAR's QuickTOCuv 2 is is ou latest online TOC analyzer for the continuous determination of total carbon (TC) and total organic carbon (TOC), and after correlation the biological oxygen demand (BOD) and chemical oxygen demand (COD) in solid-free water such as pure, drinking,

surface and process water. The process control has been optimized for high performance. The measuring ranges can be adjusted by individual user input. The measurement system is controlled by a user-friendly 4" PLC with touch screen.

#### **Applications**

LAR's total organic carbon analyzer is suitable for a variety of applications in solid-free water such as pure, drinking, surface and process water.

- Pure Water
- Process Water
- Boiler Feed Water
- Condensate Return
- Cooling Water
- Drinking Water

#### **Features**

The TOC analyzer oxidizes carbon compounds using UV light and a digestion reagent. The generated CO2 is then measured by a NDIR detector.

- UV persulfate oxidation
- Continuous determination of TOC and TC, after correlation BOD and COD
- 4" Siemens PLC with touch screen

#### Benefits

Maximum uptime and reliability for TOC analysis in municipal and industrial process water and solid-free water applications.

- Low cost of ownership
- Fast process control possible
- Remote maintenance and diagnosis possible
- Reduced consumption of chemicals



## **Technical Data**

## **Measurement Technique and Sample Preparation**

Measurement Method	UV persulfate oxidation	
Measurement Compliance	According to DIN EN 1484:1997-08/ ISO 8245:1999-03/ US-EPA 415.1	
Measurement Ranges	0,1-1 ppm, 1-10 ppm, 1-50 ppm- 10-100 ppm, 50-500 ppm, 100-1000 ppm TC or TOC; further on request	
Parameter	TOC, TC (measured) BOD, COD (by correlation)	
Sensitivity	Depending on the detector/measuring range used for 100-1,000 ppb> 50 ppb	
Oxidation Principle	UV Oxidation, supported by potassium peroxodisulfate	
Accuracy	Max. 3% of FSR or +/-10ppb whatever is greater	
Repeatability	Max. 2% of FSR or +/-10ppb whatever is greater	
Cycle Time	Continuous determination	
Response Time	< 6 min	
Calibration/ Validation	Auto-calibration and automatic system check	

# **Temperature and Humidity**

Permissible Sample Temperature	Until 50 °C
Ambient Temperature recommended	10 to 30 °C
Ambient Air Humidity	< 60%

# **Dimensions and Weight**

Housings	IP65, powder-coated steel housing; Optional: ATEX I / IECex T4 IP65 powder-coated steel housing	
Dimensions	H 980 x W 600 x D 350 mm	
Weight	Approx. 53 kg (standard)	

# **Electric and Hydraulic Specifications**

Inflow and Outflow	Sample inlet: 1,6mm ID, Sample outlet: 9mm ID Carrier gas inlet and outlet: 4mm ID, 6mm ID	
Power Supply	230 /115 V~, 50 / 60 Hz	
Analogue Output	2 pcs 0/4 - 20mA	
Digital Output	4 freely programmable system relays (2 optional)	
Serial Interface	Collective alarm, USB, profinet	
Safety	2/6 A intern, 10 A extern	
Remote Control	via VPN/IP protocol (Internet) (optional)	
Options	Ambient Air Preparation, CO2 adsorption unit, sampe taking system FlowSampler	

# **Equipment Devices and Data Output**

4"	touc	hpanel
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Self explanatory software, Autostart function







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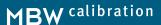
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