Hach BioTector B3500ul Online TOC Analyser, 0-5000 µg/L C, 1 stream, 115 V AC

Product #:	**B5EBAA152EAC2**
ZAR Price:	Contact Hach

High accuracy and dependability for detecting low levels of TOC

Changes in water quality for ultra pure applications are disruptive to plant operations. Accurate, on-line analysis is important to protect critical equipment that depends on ultra pure water resources. Leading manufacturers know that it is critical to analyse for contaminates precisely at ppb levels to maintain water quality. Reliability and effective oxidation of large samples ensures that manufacturers can trust the results reported by the BioTector B3500ul analyser. With a full picture of organic contaminants in critical water applications manufacturers make water treatment decisions more efficiently.

The Hach BioTector B3500ul provides reliable and accurate TOC analysis at ppb levels for ultrapure water applications. The unique two stage advanced oxidation technology behind the BioTector thoroughly, and reliably oxidises samples for valuable real-time water analysis.

Many additional versions available on request.

Maximum uptime for your process
With uptime certified at 99.86% and and two short, scheduled maintenance events per year, you will not be missing critical process information when you need it the most.

Instant and long term savings
Reduce the costs related to water re-treatment, and save on operational expenses. On-line TOC analysis enables maximum water reuse and keeps critical water resources at their best to maximise the lifetime of high-value capital equipment.

Specifications

Accuracy:	±2 % of reading or ±15 µg/L C, whichever is greater
Ambient Temperature:	5 - 45 °C
	For best performance, ambient temperature control must be ±3 °C or better.
	Cooling and heating options are available.
Calibration:	For best performance ultra-pure water (18.2 MΩ*cm, < 5 µg/L TOC) is needed for calibration.
Communication: digital:	Modbus RTU, Modbus TCP/IP & Profibus (when the Profibus option is selected, the digital output signals are sent through the Profibus converter with its specific communication protocol)
	Except for Zone 1 certification then Modbus RTU, Modbus TCP/IP & Modbus TCP/IP Redundant is available
Cycle Time:	TOC from 5 minutes, depending on application
Data storage:	Previous 9999 analysis data on screen in the microcontroller memory and storage of data archive for the lifetime of the analyser in the SD/MMC card.

Previous 99 fault data on screen in the microcontroller memory and storage of fault data archive for the lifetime of the analyser in the SD/MMC card.

Display:	High contrast 40 character x 16 line backlit LCD with LED backlight
EExp / Hazardous Location:	Certification options are available to European Standards, (ATEX Zone 1, Zone 2), North American Standards (Class I Division 2) and IECEx Zone 1
Humidity:	5 - 85 % (non-condensing)
Interferences:	TIC Interference: At 500 µg/L TIC (as bicarbonate), 2% carryover into TOC may occur.
Languages user interface:	English
Limit of quantification:	80 µg/L
Measurement method:	Infrared measurement of CO_2 after oxidation
Measuring range:	0 - 5000 µg/L C
Number of Channels:	1
Number of streams:	1
Outputs:	Includes two 4-20mA outputs enabled as standard
Oxidation Method:	Unique Two-Stage Advanced Oxidation Process (TSAO) using Hydroxyl Radicals
Parameter:	TOC, TIC, TC, VOC, after correlation COD, BOD
Particle Size:	Up to 100 µm
pH Range:	pH 1-12
Power requirements (Hz):	60 Hz
Power requirements (Voltage):	115 VAC
Power supply:	TIC/TOC ul - 115V, 50/60Hz
Protection Class:	IP44, standard fan cooled, maximum ambient temperature 45 °C
	IP54, air cooled, maximum ambient temperature 35 °C
	IP54, vortex cooled, maximum ambient temperature 50 °C
Repeatability:	± 2 % of reading or ± 10 µg/L C, whichever is greater
Sample Inlet Temperature:	2 - 60 °C (36 - 140°F)
Service Interval:	6 months service intervals
User Interface:	Microcontroller with membrane keyboard
Warranty:	12 months
Weight:	50 kg