Hach BioTector B3500c Online TOC Analyser, 0 - 100 mg/L C, 1 stream, 115 V AC

Product #:	**B5AFAA152AAC2**
ZAR Price:	Contact Hach

Maximum uptime and reliability for TOC analysis in condensate applications

Through unique technology and semi-annual reagent replacement, the BioTector B3500c delivers 99.86% uptime with the lowest operating cost in condensate applications.

Reliable and accurate TOC monitoring allows plants to make confident decisions that protect capital equipment and avoid downtime. The BioTector B3500c, through its innovative oxidation technology, provides maximum reliability and uptime, without sacrificing accuracy. Industry leading reliability combined with low total cost of ownership make the B3500c a natural choice for continuous TOC monitoring in condensate applications.

Many additional versions available on request.

Worry-free TOC
With innovative two stage, advanced oxidation technology, the B3500c provides you with maximum reliability and uptime, without sacrificing accuracy.

Lowest cost of ownership
Requiring you to replace the sample pump tube and calibrate only twice a year, the Hach BioTector B3500c has the lowest operating cost available.

Small footprint = critical wall space savings
With one of the most compact analyser footprints, this analyser frees up wall space for other needed instruments.

Reagent costs that don't kill the bottom line
By only needing to replenish reagents every six months, you will see direct bottom line savings in comparison to other systems requiring bi-weekly or monthly replacements.

One instrument for multiple streams
Providing the ability to monitor two streams sequentially, eliminates the double-cost of needing two separate analysers.

Specifications

Ambient Temperature:	5 - 45 °C (41 - 113 °F)
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:	From 5.5 minutes, depending on range and application

Data storage:	Previous 9999 reaction data
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
Exceedance tracking:	Full exceedance tracking up to 100 mg/L C
Humidity:	5 - 85 % (non-condensing)
Languages user interface:	English
Measurement method:	Infrared measurement of CO_2 after oxidation (DIN EN 1484:1997-08, ISO 8245:1999-03, EPA 415.1)
Measuring range:	0 - 100 mg/L C
Multi-Stream:	Up to 2 process streams and grab sample
Number of Channels:	1 Channel / Grab sample-Calibration Port (includes two 4-20mA outputs enabled as standard)
Number of streams:	1
Oxidation Method:	Unique Two-Stage Advanced Oxidation Process (TSAO) using Hydroxyl Radicals
Parameter:	Direct measurement of Total Organic Carbon, Total Inorganic Carbon, Total Carbon
	Chemical Oxygen Demand, Biological Oxygen Demand via correlation
	Volatile Organic Carbon via calculation
Particle Size:	Up to 100 µm
Permissible Chloride range:	Up to 30 % w/v
Power requirements (Hz):	60 Hz
Power requirements (Voltage):	115 VAC
Power supply:	TIC/TOC - 115V
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
Range selection:	Automatic or Manual Range Selection
Repeatability:	0 - 25 mg/L C: ± 3 % of reading or ± 0.03 mg/L, whichever is greater;
	Lower limit of detection LOD = 0.06 mg/L
	Exceedance tracking 0 - 100 mg/L C: 5% of reading or 0.5 mg/L C, whichever is greater
Sample Inlet Temperature:	0 - 60 °C
Service Interval:	6 month service intervals
User Interface:	Microcontroller with membrane keyboard
Warranty:	12 months
Weight:	46 kg
What's included?:	Includes: B3500c analyser, Tubing, Fuses, Ferrules, Drain, Acid & Base Dip Tubes, C02 Filter & B3500c User Manual

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