

Hach BioTector B7000i Online TOC Analyser, 0-20,000 mg/L C, 1 stream, 230 VAC

Product #: **B7BBAA052AABAA2**

AED Price: Contact Hach

The ideal online TOC Analyser to achieve precise results even for your most challenging applications

Hach BioTector TOC analysers provide maximum uptime and reliability due to an innovative self-cleaning oxidation technology that easily handles difficult samples and significantly reduces maintenance. Unlike traditional TOC analysers, the BioTector eliminates build up issues from salts, particulates, fats, oils and greases that lead to drift and high maintenance. With reliable, continuous monitoring and real-time process control, plant operators can optimise their processes to lower overall plant operating costs. The most advanced system in its class, BioTector products achieve precise results from the simplest to the most demanding applications.

With unique two-stage advanced oxidation technology, the BioTector handles even the most challenging applications involving fats, oils, greases, salts, sludge, and particulates. Oversized tubing eliminates filtration and sample contamination. There's minimal maintenance. No calibration or operator intervention required between service intervals. Provides a quick pay back with cost savings in chemical dosing, waste reduction and optimised processes.

Many additional versions available on request.

Worry-free TOC with smart design
The B7000i comes with a built in self-cleaning sample line and reactor. This enables the B7000i to deliver trustworthy results even if your water contains high levels of fats, oils, greases, sludge and particulates or has pH swings.

Easy handling
All B7000i come with unique oversized tubing which eliminated the need for filtration and you can be sure to have a fully representative sample. The special tubing also prevents clogging as well as sample contamination.

Superior reliability
Using BioTector’s internationally proven and innovative Two Stage Advanced Oxidation technology the B7000i delivers maximum reliability, accuracy and availability with a MCert certified uptime of 99.86%. In addition no calibration or maintenance is required between 6-month service intervals.

Flexible field of application
Depending on the type of application, the instrument can operate across a very wide measuring range. The B7000i analyser also has multistreaming capabilities with up to 6 process streams possible. Additionally, it can be adapted for indoor or outdoor use.

Low cost of ownership
Installing a B7000i provides cost savings through optimising processes by decreasing chemical dosing, waste reduction, reducing samples processes and lowering overall plant operation costs.

Specifications

Ambient temperature:	5 - 40 °C

	Air conditioning and heating options are available.
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 6.5 minutes, depending on range and 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.
Detection Limit:	B7000i: .06 to 20000 mg C/L
Detection limit:	0.06 mg/L C
Display:	High contrast 40 character x 16 line backlit LCD with CFL backlight
Drain:	Typically ambient (for applications with high drain pressure, optional systems are available)
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
Enclosure waterproof rating:	IP44; optional IP54 with air purge
Exceedance tracking:	Full exceedance tracking to maximum range
Expected Measuring Range:	High range > 5000 mg/L
Humidity:	5 - 85 % (non-condensing)
Languages user interface:	English
Measurement method:	Infrared measurement of CO_2 after oxidation
Measuring range:	0 - 20000 mg/L C
Multi-Stream:	1, 2, 4 and 6 streams
Number of channels:	1
Output:	1 programmable 4-20 mA analog output signal channel fitted as standard
Oxidation method:	Unique Two-Stage Advanced Oxidation Process using Hyroxyl Radicals
Parameter:	TOC, TIC, TC, VOC, after correlation COD, BOD, TOG
Particle size:	Up to 2 mm, soft particulates
Permissible Chloride range:	Up to 30%
Power requirements (Hz):	50 Hz
Power requirements (Voltage):	230 V AC
Power supply:	TOC/TIC (230VAC)
Range selection:	Automatic or Manual Range Selection
Repeatability:	±3 % of reading or ±0.3 mg/L C, whichever is greater, with Automatic Range Selection
Response time:	TOC 6.5 minutes
Sample inlet temperature:	2 - 60 °C
Sample volume:	Up to 8.0 mL
Service interval:	6 months service intervals
User interface:	Microcontroller with membrane keyboard
Warranty:	12 months
Weight:	90 - 120 kg Enclosure weight may change depending on system optional features.

What's included?:	Includes: B7000i Analyser, Tubing, Fuses, Ferrules, Drain, Acid & Base Dip Tubes, CO_2 Filter & B7000i User Manual

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