



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

Proizvod #: B7BBAA043AABAA2

EUR Cijena: Kontaktirajte nas
Nije prikazan datum isporuke

Hach BioTector TOC analysers are engineered to help operators address the toughest water quality challenges. Many plants struggle with high maintenance and downtime caused by sample contamination from salts, particulates, fats, oils, and greases. Conventional TOC analysers often cannot keep up, leading to drifting results and costly interventions.

BioTector analysers solve these problems with unique self-cleaning, two-stage advanced oxidation technology, designed to handle even challenging applications involving sludge, greases, salts, and particulates—without the need for filtration. Oversized tubing prevents blockages and lowers the risk of sample contamination. With minimal maintenance required and no calibration or operator intervention between service intervals, you can count on maximum uptime and reliable performance. Continuous monitoring and real-time control enable process optimisation and help reduce overall operating costs.

Configurable to fit application needs, BioTector analysers offer:

1. TIC & TOC (NPOC) System: Measures Total Inorganic Carbon (TIC) and Total Organic Carbon (TOC) content in liquid samples for accurate NPOC determination.
2. TC System: Measures Total Carbon (TC), representing the sum of TIC, NPOC, and VOC content.
3. VOC System: Measures TIC, TOC, TC, and VOC contents. The TOC result equals the combined NPOC and volatile organic carbon (POC) content.

BioTector's robust design delivers precise results for a wide range of applications, from simple to demanding, and supports fast payback from savings in chemical dosing, waste management, and process efficiency.

For more details, to discuss your specific application, or to request other available versions, please contact us. Our team is ready to help you find the right solution for your plant.

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.

Specifikacije

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
Dimenzije (V x Š x D):	1250 mm x 750 mm x 320 mm
Eexp / Opasno mjesto:	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 to maximum range
Garancija:	12 mjeseci
Granica detekcije:	0.6 mg/L C
Izlaz :	1 programmable 4-20 mA analog output signal channel fitted as standard
Kivete:	From 6.5 minutes, depending on range and application
Klasa kućišta:	IP44; optional IP54 with air purge
Masa:	90 - 120 kg
	Enclosure weight may change depending on system optional features.
Mjerna metoda:	Infrared measurement of CO ₂ after oxidation
Mjerni rang:	0 - 20000 mg/L C
Multi - slijed:	1, 2, 4 and 6 streams
Odabir ranga:	Automatic or Manual Range Selection
Oxidation method:	Unique Two-Stage Advanced Oxidation Process using Hydroxyl Radicals
Parametar:	TOC, TIC, TC, VOC, after correlation COD, BOD, TOG
Particle size:	Up to 2 mm, soft particulates
Pohrana podataka:	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.
Ponovljivost:	±3 % of reading or ±0.3 mg/L C, whichever is greater, with Automatic Range Selection
Servisni interval:	6 months service intervals
Što je u pretincu:	Includes: B7000i Analyser, Tubing, Fuses, Ferrules, Drain, Acid & Base Dip Tubes, CO ₂ Filter & B7000i User Manual
Temperatura prostora:	5 - 40 °C
	Air conditioning and heating options are available.
Temperatura ulaznog uzorka:	2 - 60 °C
Tlak odvoda:	Typically ambient (for applications with high drain pressure, optional systems are available)
Tolerancija klorida:	Up to 30%
User interface:	Microcontroller with membrane keyboard
Vlažnost:	5 - 85 % (non-condensing)
Volumen uzorka:	Up to 8.0 mL

Vrijeme odziva:	TOC 6.5 minutes
Zahtjevi napajanja (Hz):	50 Hz
Zahtjevi napajanja (voltaža):	230 V AC
Zaslon:	High contrast 40 character x 16 line backlit LCD with CFL backlight

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