



## **Hach BioTector B3500e Online TOC analyser, 0 - 1000 mg/L C, 1 stream, 230 V AC**

**Product #:** BEBBAA152AAA2

**AED Price:** Contact Hach

### **Highest reliability in TOC analysis for water control meets low cost of ownership.**

The Hach BioTector B3500e, with unique Two Stage, Advanced Oxidation Technology, provides accurate results you can be confident in, and gives you maximum reliability and uptime for effluent waste water applications. The analyser requires maintenance only twice a year for standard items like pump tube replacement and calibration, making it the most affordable TOC analyser option available.

Because the analyser body has one of the most compact analyser footprints available, plants can free up critical wall space that can be used for other instruments.

With maximum reliability and uptime along with the lowest operating costs, the B3500e provides immediate, direct savings and is the industry's choice when it comes to TOC analysis for wastewater effluent applications.

Many additional versions available on request.

### **Ensure environmental compliance.**

The B3500e is tailor-made for monitoring final wastewater effluent and discharges to meet TOC requirement in water regulations. Being regulatory compliant will save you significant penalty costs while protecting the local environment.

### **Save with low ownership costs.**

Requiring you to replace the pump tube and calibrate only twice a year, the Hach BioTector B3500e provides low operating expenses.

### **Worry-free TOC with smart design.**

The B3500e comes with a built in self-cleaning sample tube and reactor. This enables the B3500e to deliver trustworthy results even if your water contains some level of fat, oil, greases and sludge or has moderate pH swings.

### **Information you can rely on.**

Using BioTector's internationally proven and unique Two Stage Advanced Oxidation technology, the B3500e delivers maximum uptime, reliability and accuracy.

### **Access your results from everywhere.**

With the B3500e TOC results can be viewed at your desk, your home, or while you are on the move with the BioTector Network Control Unit remote access.

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## **Specifications**

Ambient temperature:	5 - 45 °C
Automatic cleaning:	Yes
Calibration:	Automatic with Self-Cleaning Technology

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)
Cycle Time:	Typically 7 minutes, 30 seconds
Data storage:	Previous 9,999 reaction data
	Previous 99 fault events
Display:	High contrast 40 character x 16 line backlit LCD with LED backlight
EExp / Hazardous Location:	No
Exceedance tracking:	Full exceedance tracking up to 1,000 mg/L C
Humidity:	5 - 85 % (non-condensing)
Languages user interface:	English
Measurement method:	Infrared measurement of CO <sub>2</sub> after oxidation
Measuring range:	250 mg/L C (ppm) with extended range capability 0 - 1000 ppm
Number of channels:	1
Number of sample streams:	Single process stream and manual grab sample
Number of streams:	Single stream
Options:	Grab Sample, Cleaning
Oxidation method:	Unique Two-Stage Advanced Oxidation Process (TSAO) using Hydroxyl Radicals
Parameter:	Measures TOC, TIC and TC
Particle size:	Up to 100 µm
Power requirements (Hz):	50 Hz
Power requirements (Voltage):	230 V AC
Range selection:	Automatic or manual range selection
Repeatability:	Standard range ±3% of reading or ±0.45 mg/L C, whichever is greater; 4% of reading or ±2 mg/L C (whichever is greater) for exceedance range
Sample inlet temperature:	2 - 60 °C
Service interval:	6 month service intervals
User interface:	Microcontroller with membrane keyboard
Warranty:	12 months
Weight:	46 kg
What's included?:	Includes: B3500e analyser, Tubing, Fuses, Ferrules, Drain, Acid & Base Dip Tubes, C02 Filter & B3500e User Manual

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