



Be Right™



Hach BioTector B3500s Online TOC analyser, 0 - 100 mg/L C, 1 stream, 230 V AC

Product #: B5BFAA152AACS

AED Price: Contact Hach

Effluent TOC monitoring made easy

Semi-annual reagent replacement and seamless integration with the Hach sample homogenisation unit make the B3500s the easiest solution for regulatory TOC monitoring in municipal wastewater.

The BioTector B3500s offers a simple off-the-shelf continuous TOC monitoring solution for municipal wastewater effluent applications. The B3500s seamlessly integrates with the Hach Sigmatax 2 sample homogenisation unit allowing compliance monitoring for TOC Norm ISO-CEN EN 1484.

BioTector B3500s uses unique Two Stage, Advanced Oxidation Technology providing maximum reliability and uptime, without sacrificing accuracy. Further, the analyser only requires basic preventative maintenance semi-annually. The extremely high uptime and low maintenance allow plants to focus on other priorities.

Many additional versions available on request.

Easy sample homogeniser integration

Designed to communicate with the Hach Sigmatax 2 sample homogeniser, the system provides an off-the-shelf solution to meet TOC effluent monitoring regulations.

Extended reagent and maintenance intervals

Every six months reagent replenishment, semi-annual calibration and basic preventative maintenance allows you to focus on what matters most.

Worry-free TOC

With innovative two stage, advanced oxidation technology, the B3500s provides you with reliability and uptime, without sacrificing accuracy.

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.

Specifications

Ambient temperature:	5 - 45 °C
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:	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

Exceedance tracking:	Full exceedance tracking up to 100 mg/L C
Grab sample:	Yes
Humidity:	5 - 85 % (non-condensing)
Languages user interface:	English, Spanish, French, German Others available upon request.
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 (ppm)
Multi-Stream:	1 process stream, 1 grab sample
Number of channels:	1
Number of streams:	Single stream
Output:	Two 4-20 mA outputs preconfigured
Oxidation method:	Innovative 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 (B3500s VOC mode is not available in combination with Sigmatex)
Particle size:	Up to 100 µm
Power requirements (Hz):	50 Hz
Power requirements (Voltage):	230 V AC
Power supply:	230 Volt, 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
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, 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: B3500s analyser, Tubing, Fuses, Ferrules, Drain, Acid & Base Dip Tubes, CO ₂ Filter & B3500s User Manual

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