

BioTector B3500c Online TOC Analyzer

Maximum uptime and reliability for TOC analysis in condensate applications

Using patented technology, only requiring scheduled maintenance every 6 months, allowing for dual stream monitoring, and having one of the most compact analyzer footprints, the Hach® BioTector B3500c delivers 99.86% uptime in condensate applications with the lowest operating cost.

Worry-free TOC

With a patented Two Stage, Advanced Oxidation Technology system, the B3500c provides you with maximum reliability and uptime, without sacrificing accuracy.

Lowest Cost of Ownership

Requiring you to replenish reagents, replace the 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 analyzer footprints, this analyzer 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 analyzers.

Order Information

Instruments

- B5ACAA152AAC2** Hach BioTector B3500c TOC analyzer, 0-25 ppm, 1 stream, grab sample, 115 V AC
- B5AFAA152AAC2** Hach BioTector B3500c TOC analyzer, 0-25 ppm with 0-100 ppm range extension, 1 stream, grab sample, 115 V AC
- B5ACAA152AAF2** Hach BioTector B3500c TOC analyzer, 0-25 ppm, 2 streams, grab sample, 115 V AC
- B5AFAA152AAF2** Hach BioTector B3500c TOC analyzer, 0-25 ppm with 0-100 ppm range extension, 2 streams, grab sample, 115 V AC

There are additional options available. Please contact Hach for more details.

Accessories

- 19-COM-160** BioTector Compressor 115 V / 60 Hz
- 19-COM-250** BioTector Compressor 230 V / 50 Hz
- 10-SMC-001** Air supply filter pack
- 19-KIT-123** Six months spare part kit for BioTector B3500

Reagents

- 2038062** BioTector Reagent, 4.0 N NaOH
- 2038162** BioTector reagent, 6.0 N sulfuric acid with Mn catalyst

Part numbers may vary by country.

Learn More



Technical Data*

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
Measurement Method	Infrared measurement of CO ₂ after oxidation (DIN EN 1484:1997-08, ISO 8245:1999-03, EPA 415.1)
Oxidation Method	Patented Two-Stage Advanced Oxidation Process (TSAO) using Hydroxyl Radicals
Range	0 - 25 mg/L C, 0 - 100 mg/L C
Cycle Time	From 5.5 minutes, depending on range and application
Communication	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
Sample Inlet Temperature	0 - 60 °C (32 - 140 °F)
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
Particle Size	Up to 100 µm
Power Requirements	115 - 230 VAC; 50/60 Hz
Service Interval	6 month service intervals
Dimensions (H x W x D)	750 x 500 x 320 mm (29.5 x 19.7 x 12.6 in.)
Weight	46 kg (101.4 lb) (enclosure weight may change depending on system optional features)

**Subject to change without notice.*