

BioTector B3500e TOC Analyzer

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

The Hach® BioTector B3500e delivers the market leading, patented self-cleaning technology to provide accurate on-line TOC analysis. With 99.86% certified uptime the B3500e delivers maximum availability for reliable results. Ideal for water control, the B3500e helps you to be compliant while minimizing your operating costs.

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 patented 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.



Order Information

Instruments

- BEAAAA152AAA2** Hach BioTector B3500e Online TOC analyzer, 0-250 ppm, 1 stream, grab sample, cleaning, 115 V AC
- BEABAA152AAA2** Hach BioTector B3500e Online TOC analyzer, 0-250 ppm with 0-1000 ppm range extension, 1 stream, grab sample, cleaning, 115 V AC
- BEAAAA152AAB2** Hach BioTector B3500e Online TOC analyzer, 0-250 ppm, 1 stream, grab sample, cleaning, sample sensor, 115 V AC
- BEABAA152AAB2** Hach BioTector B3500e Online TOC analyzer, 0-250 ppm with 0-1000 ppm range extension, 1 stream, grab sample, cleaning, sample sensor, 115 V AC

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

Accessories

- 10-SMC-001** Air supply filter pack
- 19-COM-160** BioTector Compressor 115 V / 60 Hz
- 19-COM-250** BioTector Compressor 230 V / 50 Hz

Service Kit

- 19-KIT-130** B3500e 6 month service kit

Part numbers may vary by country.

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Technical Data*

Parameter	Direct measurement of Total Organic Carbon, Total Inorganic Carbon
Range	Chemical Oxygen Demand, Biological Oxygen Demand via correlation 0 - 250 mg/L C, 0 - 1000 mg/L C
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
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)
Cycle Time	Typically 7 minutes 30 seconds
Particle Size	Up to 100 µm
Automatic cleaning	Yes
Sample Inlet Temperature	2 - 60 °C (36 - 140 °F)
Service Interval	6 month service intervals
Power Requirements	115 - 230 VAC; 50/60 Hz
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.*