



Be Right™



## BioTector B3500dw Online TOC analyser, 0 - 25 mg/L C, 1 stream, 120 V AC

Product #: B0.014652000001

SGD Price: Contact Hach

### Maximum uptime and reliability for TOC analysis in drinking water applications

The Hach BioTector B3500dw, with unique, EPA drinking water method approved Two Stage, Advanced Oxidation Technology, provides accurate results you can be confident in, and gives you maximum reliability and uptime for drinking water applications. The analyser typically requires maintenance only twice a year for standard items like reagent replenishment, pump tube replacement and calibration, making it an affordable TOC analyser option.

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. The B3500dw typically requires reagent replenishment only once every six months instead of bi-weekly or monthly, plus the analyser has the ability to monitor two streams at the same time, and calculate % TOC removal eliminating the need for two separate analysers. The result is accurate, low cost analysis you can rely on.

With maximum reliability and uptime along with low operating costs, the B3500dw provides immediate, direct savings and is the industry's choice when it comes to TOC analysis for drinking water applications.

Many additional versions available on request.

#### Rock solid reliability

With unique, EPA method approved Two Stage Advanced Oxidation Technology, the self-cleaning sample reactor of B3500dw delivers maximum reliability.

#### Lowest cost of ownership

With its 99.86% uptime, semi-annual maintenance and reagent replenishment is all that is needed.

#### Secure your source water

TSAO technology analyzes organics in your source that are invisible to scanning UV technologies.

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### Specifications

|                      |  |
|----------------------|--|
| Ambient Temperature: | 5 - 45 °C  |
| Channels:            | 1 Channel / Grab sample-Calibration Port (includes two 4-20mA outputs enabled as standard)   |
| 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:          | From 5.5 minutes, depending on range and application   |
| Data Storage:        | Previous 9999 reaction data  |

|                               |   |
|-------------------------------|---|
| Display:                      | Previous 99 fault events<br>High contrast 40 character x 16 line backlit LCD with LED backlight   |
| Hazardous:                    | as  |
| Humidity:                     | 5 - 85 % (non-condensing)   |
| Languages:                    | English, Spanish, French, German<br><br>Others available upon request.  |
| Measurement method:           | Infrared measurement of CO <sub>2</sub> after oxidation<br><br>(DIN EN 1484:1997-08, ISO 8245:1999-03, EPA 415.1)                       |
| Multi-Stream:                 | 1 stream  |
| Oxidation Method:             | Unique Two-Stage Advanced Oxidation Process (TSAO) using Hydroxyl Radicals, Hach Company method 10261 (EPA approved for drinking water) |
| Parameter:                    | TOC (NPOC), TIC, % TOC removal (with 2 streams) and COD, BOD after correlation  |
| Particle Size:                | Up to 100 µm  |
| Power requirements (Hz):      | 60 Hz   |
| Power requirements (Voltage): | 120 V AC  |
| Range:                        | 0 - 25 mg/L C   |
| Range selection:              | Automatic or manual range selection   |
| Repeatability:                | ±3% of reading or ±0.03 mg/L, whichever is greater;<br><br>Lower Limit of detection LOD = 0.06 mg/L                                     |
| Sample Inlet Temperature:     | 0 - 60 °C   |
| Service Interval:             | 6 months service intervals  |
| User Interface:               | Microcontroller with membrane keyboard  |
| Weight:                       | 46 kg   |

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## What's in the box?

Includes: B3500dw analyser, Tubing, Fuses, Ferrules, Drain, Acid & Base Dip Tubes, CO<sub>2</sub> Filter & B3500dw User Manual