



## Hach BioTector B7000 Online TOC/TN/TP Analyser, 0 - 500 mg/L C, 1 stream, 230 V AC

Kat. číslo produktu: **B4RGDF088AECAE2**

EUR Cena bez DPH:

Kontaktujte nás

Dátum odoslania neuvedené

### A single analyser for Carbon contamination and Nitrogen/Phosphorus nutrient levels in water

Contamination levels in water impact treatment and re-use decisions. With data on contamination plus nutrient levels water managers can make the most efficient and cost-effective decisions for treatment and reuse of important water supplies.

- Improve treatment and re-use decisions with accurate and complete water quality
- Reduce costs on nutrient dosing while protecting critical treatment facilities with accurate C:N:P ratios
- Spend more time managing the plant and less time collecting data with a robust, industrially designed online analyser to monitor TOC, TN, and TP parameters
- Detect product loss quickly to save valuable product, and minimise risk of noncompliance by preventing excessive contamination releases to the wastewater treatment plant

The Hach TOC analyser completes a full breakdown of each process sample to deliver trusted results.

#### Improve wastewater treatment process

Capture changes in water quality with a direct analysis of Total Organic Carbon (contamination), Total Nitrogen and Total Phosphorus in the most challenging samples.

#### Reduce the environmental footprint

Comprehensive information about your incoming sample composition enables improved process control. Knowing TOC + TN and TP allows you to decrease utilities usage and related costs. Optimised processes will reduce effluent environmental impact and minimise the risks of fines and reputation damage.

#### Protect your WWTP and WWRP

TOC is commonly used as a fast, reliable water analysis metric for water quality. TOC levels are often correlated to lagging water quality metrics such as Chemical Oxygen Demand (COD) and Biochemical Oxygen Demand (BOD).

#### Superior reliability

With a certified 99.86% uptime critical process information is available when you need it most. Maintenance in most applications is done 2x per year.

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### Technické údaje

Detekčný limit:

TOC: 0.6 mg/L C with Automatic Range Selection

TN: 0.4 mg/L N with Automatic Range Selection

TP: 0.4 mg/L P with Automatic Range Selection

|                                |                                                                                                                                                        |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Displej: LCD (podsvietený):    | High contrast 40 character x 16 line backlit LCD with LED backlight                                                                                    |
| Doba cyklu :                   | From 10 minutes, depending on range and application                                                                                                    |
| Eexp / Nebezpečné miesto:      | Certification options are available to European Standards (ATEX Zone 2 - maximum T3 for TP analyser) and North American Standards (Class I Division 2) |
| Expected Measuring Range:      | 0 - 500 mg/L                                                                                                                                           |
| Hmotnosť:                      | 90 - 120 kg                                                                                                                                            |
|                                | Enclosure weight may change depending on system optional features.                                                                                     |
| Jazyk užívateľského rozhrania: | Slovak                                                                                                                                                 |
| Komunikace: digitální :        | 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)    |
| Krytie:                        | IP44; voliteľný IP54 s profouknutím vzduchem                                                                                                           |
| Metóda merania:                | TOC: NDIR measurement of CO <sub>2</sub> after oxidation                                                                                               |
|                                | TN: direct photometric analysis of Nitrate after oxidation                                                                                             |
|                                | TP: colorimetric analysis of Phosphate with standard Vanadomolybdophosphoricacid method after oxidation                                                |
| Multi-Stream:                  | Valves for up to 3 streams with up to six 4-20 mA signals                                                                                              |
|                                | The number of available outputs depends on the manual stream configuration.                                                                            |
| Objem vzorky:                  | Up to 8.0 mL                                                                                                                                           |
| Obsah balenia:                 | B7000 TOC/TN/TP Analyser, Tubing, Fuses, Ferrules, Drain, Acid, Base & TN Dip Tubes, CO <sub>2</sub> Filter & B7000 TOC/TN/TP User Manual              |
| Odtok:                         | Typically ambient (for applications with high drain pressure, optional systems are available)                                                          |
| Opakovateľnosť:                | TOC: ±3% of reading or ±0.3 mg/L C, whichever is greater                                                                                               |
|                                | TN: ±3% of reading or ±0.2 mg/L N, whichever is greater                                                                                                |
|                                | TP: ±3% of reading or ±0.2 mg/L P, whichever is greater                                                                                                |
| Oxidační metoda:               | Innovative Two-Stage Advanced Oxidation Process (TSAO) using Hydroxyl Radicals                                                                         |
| Parameter:                     | Direct measurement of TOC, TIC, TC, TN, TP; COD, BOD via correlation; VOC via calculation                                                              |
| Počet kanálov:                 | 1 Channel (One 4-20mA output is included as standard)                                                                                                  |
| Požiadavky na napájanie (Hz):  | 50 Hz                                                                                                                                                  |
| Požiadavky na napájanie (V):   | 230 V AC                                                                                                                                               |
| Přípustný rozsah chloridů :    | Up to 30%                                                                                                                                              |
| Rozsah merania:                | 0 - 500 mg/L C/N/P                                                                                                                                     |
| Servisný interval:             | 6 months service intervals                                                                                                                             |
| Teplota prostredia:            | 5 - 40 °C                                                                                                                                              |
| Teplota vzorky na vstupe:      | 2 - 60 °C                                                                                                                                              |
| Ukladanie dát:                 | Previous 9999 analysis data on screen in the microcontroller memory and storage of data archive for the lifetime of the analyser in the SD/MMC card.   |
|                                | Previous 99 fault data on screen in the microcontroller memory and storage of fault data archive for the lifetime of the analyser in the SD/MMC card.  |
| Užívateľské rozhranie:         | Microcontroller with membrane keyboard                                                                                                                 |
| Velikost částic:               | Up to 2 mm, soft particulates                                                                                                                          |
| Vlhkosť:                       | 5 - 85 % (non-condensing)                                                                                                                              |
| Voľba rozsahu:                 | Automatic or Manual Range Selection                                                                                                                    |
| Výstup:                        | One programmable 4-20 mA analogue output signal (typically for TOC)                                                                                    |

Maximum impedance: 500 ohms

For systems requiring more than six 4-20 mA standard outputs, 4-20 mA Output Multiplex option is implemented to provide 4-20 mA data for up to 35 output signals

Záruka:

12 mesiacov

Zdroj napájania:

TIC/TOC & TN/TP - 230V

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## Obsah balenia

B7000 TOC/TN/TP Analyser, Tubing, Fuses, Ferrules, Drain, Acid, Base & TN Dip Tubes, CO<sub>2</sub> Filter & B7000 TOC/TN/TP User Manual