



## **EZ7103 Total Organic Carbon (TOC) Analyser, 1 stream, Modbus RS485**

**Продукт №:** EZ7103.990A1C02  
**BGN Цена:** Свържете се с нас  
**Повикване за дата на доставка**

### **Online, automatic TOC or TC monitoring for wastewater and surface water applications**

#### **Proprietary discontinuous analysis**

The EZ7100 Series are designed to run a discontinuous analysis on Total Organic Carbon or Total Carbon levels, reducing significantly reagent consumption but also overall maintenance costs. Additionally a rinsing or cleaning cycle can be introduced to eliminate cross-contamination and fouling.

#### **Smart features and reduced calibration intervals**

In the controller-database software, all necessary smart automatic features are already embedded: auto-calibration, auto-validation, auto-cleaning and auto-priming. In order to assure optimal analytical performance, it is recommended to calibrate the EZ7100 Series monthly or quarterly simply by starting the calibration sequence via the panel PC.

The mainframe of the EZ7100 Series is a compact and straightforward design running a hot UV/persulphate destruction for determination of organic purity in various water applications, with the following distinctive features:

- Options for TOC or TC analysis
- Discontinuous analysis with programmable frequency
- Smart automatic features
- Control and communication via industrial panel PC
- Standard 4 - 20 mA signal output with alarm processing
- Communication ports supporting connectivity to Modbus
- Multiple stream analysis

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

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### **Спецификации**

Cooling water:	Flow rate approx. 5 L/h; temperature max. 30 °C; pressure max. 0.5 bar
Demineralised water:	For rinsing and calibration purposes
Digital outputs:	Modbus RS485
Earth connection:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm <sup>2</sup>

Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Precision:	Better than 2% full scale range for standard test solutions
Reagent Requirements:	Keep between 10 - 30 °C
Validation:	Automatic; frequency freely programmable
Аварийен сигнал:	1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Бр. потоци проби:	1 stream
	Optional:
	1 to 8 streams
Гаранция:	2 Години
Граница на откриваемост:	≤ 15 mg/L
Дренаж:	Atmospheric pressure, vented, min. Ø 64 mm
Захранване:	220 - 240 VAC, 4 A, 50/60 Hz Max. power consumption: 440 VA; Other voltages available on request
Измерване метод:	Hot UV/persulphate method, conform with ISO 8245, USEPA 415.2, ASTM D4839-03 and DIN-EN 1484
Измерване, диапазон:	25 - 1000 mg/L C
Изход:	Modbus RS485
	Optional:
	Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs
	RS232, Modbus TCP/IP
Калибриране:	Automatic, 2-point; frequency freely programmable
Клас на защита:	Analyser cabinet: IP55 / Panel PC: IP65
Кювети за проба:	15 - 30 minutes, depending on range; frequency freely programmable
Материал:	Hinged part: Thermoform ABS, door: plexiglass
	Wall section: Galvanised steel, powder coated
Околна температура:	10 - 30 °C ±4 °C deviation at 5 - 95% relative humidity (non-condensing)
Параметър:	TOC (Total Organic Carbon)
Проба, дебит:	100 - 300 mL/min
Проба, качество:	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Проба: налягане:	By external overflow vessel
Размери (В x Ш x Д):	690 мм x 465 мм x 330 мм
Сертификати:	CE compliant / UL certified
Смущения:	Chloride > 1 g/L affects oxidation efficiency. Volatile organic compounds evaporate in the TOC configuration. Fats, oil, proteins, surfactants and tar.
Тегло:	25 kg
Температура на проба:	10 - 30 °C