



Be Right™



EZ7121 Total Carbon (TC) Analyser, 1 stream, Modbus RS485

Αρ. προϊόντος: EZ7121.990A1C02

EUR Τιμή: Επικοινωνήστε μαζί μας
Τηλεφωνήστε για την ημερομηνία αποστολής

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.

Προδιαγραφές

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 ²

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
Αποστράγγιση :	Atmospheric pressure, vented, min. Ø 64 mm
Αριθμ. Ροών δείγματος :	1 stream
	Optional:
	1 to 8 streams
Βαθμονόμηση :	Automatic, 2-point; frequency freely programmable
Βαθμός προστασίας:	Analyser cabinet: IP55 / Panel PC: IP65
Βάρος :	25 kg
Δείγμα: πίεση:	By external overflow vessel
Διαστάσεις (ΥxΠxB):	690 mm x 465 mm x 330 mm
Εγγύηση :	2 Έτη
Έξοδος :	Modbus RS485
	Optional:
	Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs
	RS232, Modbus TCP/IP
Εύρος μέτρησης :	2 - 100 mg/L C
Θερμοκρασία Δείγματος:	10 - 30 °C
Θερμοκρασία περιβάλλοντος :	10 - 30 °C ±4 °C deviation at 5 - 95% relative humidity (non-condensing)
Κυψελίδα δείγματος :	15 - 30 minutes, depending on range; frequency freely programmable
Μέθοδος μέτρησης :	Hot UV/persulphate method, conform with ISO 8245, USEPA 415.2, ASTM D4839-03 and DIN-EN 1484
Όριο ανίχνευσης :	≤ 1 mg/L
Παράμετρος :	TC (Total Carbon)
Παρεμποδίσεις :	Chloride > 1 g/L affects oxidation efficiency. Volatile organic compounds evaporate in the TOC configuration. Fats, oil, proteins, surfactants and tar.
Πιστοποιήσεις :	CE compliant / UL certified
Ποιότητας δείγματος :	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Ρυθμός ροής δείγματος :	100 - 300 mL/min
Συναγερμός :	1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts
τροφοδοσία :	220 - 240 VAC, 4 A, 50/60 Hz Max. power consumption: 440 VA; Other voltages available on request
Υλικό :	Hinged part: Thermoform ABS, door: plexiglass
	Wall section: Galvanised steel, powder coated