



Be Right™



EZ7102 Total Organic Carbon (TOC) Analyser, 1 stream, Modbus RS485

de producto: EZ7102.990B1C02

USD Precio: Contacto Hach

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 EZ 7100 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.

Especificaciones

| | |
|--------------------------|---|
| Agua de refrigeración: | Flow rate approx. 5 L/h; temperature max. 30 °C; pressure max. 0.5 bar |
| Aire de instrumentación: | Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air |
| Alarma: | 1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts |
| Alimentación: | 110 VAC, 60 Hz |

| | |
|----------------------------------|---|
| Calibración: | Automatic, 2-point; frequency freely programmable |
| Caudal de muestra: | 100 - 300 mL/min |
| Certificaciones: | CE compliant / UL certified |
| Conexión a tierra: | Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm ² |
| Dimensiones (A x A x P): | 690 mm x 465 mm x 330 mm |
| Drenaje: | Atmospheric pressure, vented, min. Ø 64 mm |
| Exactitud: | Better than 2% full scale range for standard test solutions |
| Garantía: | 1 año |
| Grado de protección: | Analyser cabinet: IP55 / Panel PC: IP65 |
| Interferencias: | Chloride > 1 g/L affects oxidation efficiency. Volatile organic compounds evaporate in the TOC configuration. Fats, oil, proteins, surfactants and tar. |
| Límite de detección: | ≤ 5 mg/L |
| Material: | Hinged part: Thermoform ABS, door: plexiglass Wall section: Galvanised steel, powder coated |
| Método de medición: | Hot UV/persulphate method, conform with ISO 8245, USEPA 415.2, ASTM D4839-03 and DIN-EN 1484 |
| Número de corrientes de muestra: | 1 stream Optional: 1 to 8 streams |
| Parámetro: | TOC (Total Organic Carbon) |
| Peso: | 25 kg |
| Presión de muestra: | By external overflow vessel |
| Rango de medición: | 10 - 500 mg/L C |
| Requisitos de los reactivos: | Keep between 10 - 30 °C |
| Salida: | Modbus RS485 Optional: Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs RS232, Modbus TCP/IP |
| Salidas digitales: | Modbus RS485 |
| Temperatura ambiente: | 10 - 30 °C ±4 °C deviation at 5 - 95% relative humidity (non-condensing) |
| Temperatura de la muestra: | 10 - 30 °C |
| Tiempo de ciclo: | 15 - 30 minutes, depending on range; frequency freely programmable |
| Validación: | Automatic; frequency freely programmable |