



EZ2002 Total Copper Analyser

Nr. produs: **EZ2002.XXXXXXXXXX**
RON Preț (fără TVA): Contact

Online colorimetric analysis of Total Copper in water

EZ2000 Total Copper Analysers achieve excellent precision and accuracy. At the heart of the colorimeter there is a compact photometer assembly developed especially for the EZ Series. Consumption of reagents is reduced by low volume analysis, yet high sensitivity is assured by a long optical path length. The limit of detection is in the low $\mu\text{g/L}$ range.

EZ2000 Total Copper Analysers have an internal digestion unit. This additional step prior to analysis allows to measure non-soluble or complexed metal species.

Results you can rely on

Smart automatic features for calibration, validation, priming and cleaning are embedded in the controller software and contribute to analytical performance, maximised uptime and negligible operator intervention. Precision micropumps dose all reagents. Sample lines and analysis vessel are cleaned with demineralised water to eliminate cross contamination between samples. Electronic and wet-chemical part of the analyser are strictly separated. A transparent door allows for instant visual inspection of the wet part.

Flexibility that meets your needs

EZ Series Total Copper Analysers come in an attractive, ergonomic mainframe with a compact footprint. All hardware is controlled by the integrated industrial panel PC. The modular build allows for the analyser to match your application and operational needs.

- The standard measuring range can be narrowed by a different calibration range or extended via internal dilution options.
- Analogue and digital output options
- Multiple stream analysis for up to 8 sample streams

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

Specificații

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| Alarma: | 1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts |
| Calibrare: | Automatic, 2-point; frequency freely programmable |
| Calitate proba: | Maximum particle size 100 μm , < 0.1 g/L; Turbidity < 50 NTU |
| Certificări: | CE compliant / UL certified |
| Clasa de protecție: | Protection class: Analyser cabinet: IP44 / Panel PC: IP65 |

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| Conținutul cutiei: | EZ2002 Copper Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, and 3 x empty 2.5L Reagent Containers (for Acid 1M, Acid 0.25M & Colour Solution) |
| Cuve: | 20 minutes Total Cu (dilution + 5 min.) |
| | 30 minutes Total Cu & Cu(II) |
| Debitul probei: | 100 - 300 mL/min |
| Demineralised water: | For rinsing / dilution |
| Digital outputs: | Optional: Modbus (TCP/IP, RS485) |
| Dimensiuni (Înălțime x Lățime x Adâncime): | 690 mm x 465 mm x 330 mm |
| Domeniu de măsurare: | 0.03 - 3 mg/L Cu |
| | Optional: |
| | 0.003 - 0.3 mg/L |
| | 0.02 - 0.75 mg/L |
| | 0.02 - 1.5 mg/L |
| | 0.2 - 12 mg/L (with internal dilution) |
| | 0.5 - 30 mg/L (with internal dilution) |
| | 3 - 60 mg/L (with internal dilution) |
| Earth connection: | Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm ² |
| Esantion: presiune: | By external overflow vessel |
| Garanție: | 24 luni |
| Greutate: | 25 kg |
| Iesiri analogice: | Active 4 - 20 mA max. 500 Ohm load, standard 1, max. 8 (option) |
| Instrument air: | Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air |
| Interferente: | Acidity, metal ions like aluminium (III) > 10 mg/L, cyanide, hardness, iron (III) > 10 mg/L, nickel (II) and silver (II). Large amounts of colour and turbidity interfere. Fats, oil, proteins, surfactants and tar. |
| Limita de detecție: | ≤ 3 µg/L |
| Material: | Hinged part: Thermoform ABS, door: PMMA |
| | Wall section: Galvanised steel, powder coated |
| Metoda de măsurare: | Colorimetric measurement at 546 nm using bicinchoninate method, conform with USEPA Method 8506 |
| Nr. flux probe : | 1, 2, 4 or 8 |
| Parametru: | Copper, total |
| Precizie: | Better than 2% full scale range for standard test solutions |
| Putere: | 230 VAC, 50/60 Hz |
| | 120 VAC, 50/60 Hz |
| | Max. power consumption: 440 VA |
| Reagent Requirements: | Keep between 10 - 30 °C |
| Scurgere: | Atmospheric pressure, vented, min. Ø 32 mm |
| Temperatura ambiantă: | 10 - 30 °C ±4 °C deviation at 5 - 95% relative humidity (non-condensing) |
| Temperatura probă: | 10 - 30 °C |

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| Validation: | Automatic; frequency freely programmable |
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