



## EZ2302 Total Copper + Copper Cu(II) Analyser

Proizvod #: EZ2302.XXXXXXXXXX  
EUR Cijena: Kontaktirajte nas

### Online colorimetric analysis of Total Copper + Dissolved Copper Cu(II) 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.

---

### Specifikacije

Alarma:	1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Analogni izlazi:	Active 4 - 20 mA max. 500 Ohm load, standard 1, max. 8 (option)
Broj uzoraka:	1, 2, 4 or 8
Certificiranja:	CE compliant / UL certified
Demineralised water:	For rinsing / dilution

Digital outputs:	Optional: Modbus (TCP/IP, RS485)
Dimenzije (V x Š x D):	690 mm x 465 mm x 330 mm
Earth connection:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm <sup>2</sup>
Garancija:	24 mjeseci
Granica detekcije:	≤ 3 µg/L
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Interferencija :	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.
Kalibracija:	Automatic, 2-point; frequency freely programmable
Kivete:	20 minutes Total Cu (dilution + 5 min.)  30 minutes Total Cu & Cu(II)
Klasa zaštite:	Protection class: Analyser cabinet: IP44 / Panel PC: IP65
Kvaliteta uzorka:	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Masa:	25 kg
Materijal:	Hinged part: Thermoform ABS, door: PMMA  Wall section: Galvanised steel, powder coated
Mjerna metoda:	Colorimetric measurement at 546 nm using bicinchoninate method, conform with USEPA Method 8506
Mjerni rang:	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)
Napajanje:	230 VAC, 50/60 Hz  120 VAC, 50/60 Hz  Max. power consumption: 440 VA
Odvod:	Atmospheric pressure, vented, min. Ø 32 mm
Parametar:	Copper, total; Cu(II), dissolved
Precision:	Better than 2% full scale range for standard test solutions
Protok uzorka:	100 - 300 mL/min
Reagent Requirements:	Keep between 10 - 30 °C
Što je u pretincu:	EZ2302 Copper Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 3 x empty 2.5L Reagent Containers with Fittings (for Acid 1M, Acid 0.25M, Colour Solution)
Temperatura prostora:	10 - 30 °C ±4 °C deviation at 5 - 95% relative humidity (non-condensing)
Temperatura uzorka:	10 - 30 °C
Uzorak: tlak:	By external overflow vessel
Validation:	Automatic; frequency freely programmable

## Što je u pretincu

EZ2302 Copper Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 3 x empty 2.5L Reagent Containers with Fittings (for Acid 1M, Acid 0.25M, Colour Solution)