



## **EZ2400 Total Chromium + Chromium Cr(III), Cr(VI) Analyser**

**Nr. produs:** **EZ2400.XXXXXXXXXX**

RON Preț (fără TVA): Contact

### **Online colorimetric analysis of Total Chromium + Dissolved Chromium Cr(III) + Chromium Cr(VI) in water**

EZ2000 Total Chromium 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 Chromium 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 Chromium 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.

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## **Specificații**

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 $\mu\text{m}$ , < 0.1 g/L; Turbidity < 50 NTU
Certificări:	CE compliant / UL certified
Clasa de protecție:	Analyser cabinet: IP44 / Panel PC: IP65

Conținutul cutiei:	EZ2400 Chromium Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 3 x empty 2.5L Reagent Containers with Fittings (for Acid, Buffer, Persulfate) and 1 x Assembly Glass Reagent Container 2.5L (for Colour Solution)
Curatare automata:	Da
Cuve:	20 minutes Total Cr (dilution + 5 min.)  30 minutes Total Cr & Cr(VI)
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:	Total Cr, Cr(VI): 10 - 500 µg/L  Cr(III): 20 - 500 µg/L  Optional:  2 - 50 µg/L   Cr(III): 5 - 50 µg/L  4 - 125 µg/L   Cr(III): 10 - 125 µg/L  5 - 250 µg/L   Cr(III): 10 - 250 µg/L  0.16 - 2 mg/L   Cr(III): 0.32 - 2 mg/L (with internal dilution)  0.32 - 5 mg/L   Cr(III): 0.64 - 5 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 <sup>2</sup>
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:	Iron (III), mercury > 200 mg/L, molybdenum > 200 mg/L, vanadium > 5 mg/L. Large amounts of colour and turbidity interfere. Fats, oil, proteins, surfactants and tar.
Limita de detecție:	Total Chromium, Cr(VI): ≤ 2 µg/L  Cr(III): ≤ 5 µg/L
Material:	Hinged part: Thermoform ABS, door: PMMA  Wall section: Galvanised steel, powder coated
Metoda de măsurare:	Colorimetric measurement at 546 nm using diphenylcarbazide method, conform with standard method APHA 3500-Cr (B)
Model:	EZ2400
Nr. flux probe :	1, 2, 4 or 8
Parametru:	Chromium, total; Cr(VI), dissolved; Cr(III), dissolved
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
Validation:	Automatic; frequency freely programmable

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