



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

Kat. číslo produktu: EZ2400.XXXXXXXXXX

EUR Cena bez DPH: Kontaktujte nás

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 µg/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.

Technické údaje

Alarm:	1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Analógové výstupy:	Active 4 - 20 mA max. 500 Ohm load, standard 1, max. 8 (option)
Automatické čistenie:	Áno
Č. prúdov vzoriek:	1, 2, 4 or 8
Certifikácia:	CE compliant / UL certified

Demineralised water:	For rinsing / dilution
Detekčný limit:	Total Chromium, Cr(VI): $\leq 2 \mu\text{g/L}$ Cr(III): $\leq 5 \mu\text{g/L}$
Digitálne výstupy:	Optional: Modbus (TCP/IP, RS485)
Doba cyklu :	20 minutes Total Cr (dilution + 5 min.) 30 minutes Total Cr & Cr(VI)
Earth connection:	Dry and clean earth pole with low impedance ($< 1 \text{ Ohm}$) using an earth cable of $> 2.5 \text{ mm}^2$
Hmotnosť:	25 kg
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Interferencie:	Iron (III), mercury $> 200 \text{ mg/L}$, molybdenum $> 200 \text{ mg/L}$, vanadium $> 5 \text{ mg/L}$. Large amounts of colour and turbidity interfere. Fats, oil, proteins, surfactants and tar.
Kalibrácia:	Automatic, 2-point; frequency freely programmable
Kvalita vzorky:	Maximum particle size $100 \mu\text{m}$, $< 0.1 \text{ g/L}$; Turbidity $< 50 \text{ NTU}$
Materiál:	Hinged part: Thermoform ABS, door: PMMA Wall section: Galvanised steel, powder coated
Metóda merania:	Colorimetric measurement at 546 nm using diphenylcarbazide method, conform with standard method APHA 3500-Cr (B)
Model:	EZ2400
Napájanie:	230 VAC, 50/60 Hz 120 VAC, 50/60 Hz Max. power consumption: 440 VA
Obsah balenia:	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)
Odtok:	Atmospheric pressure, vented, min. $\varnothing 32 \text{ mm}$
Parameter:	Chromium, total; Cr(VI), dissolved; Cr(III), dissolved
Presnosť:	Better than 2% full scale range for standard test solutions
Reagent Requirements:	Keep between $10 - 30 \text{ }^{\circ}\text{C}$
Rozmery (V x Š x H):	$690 \text{ mm} \times 465 \text{ mm} \times 330 \text{ mm}$
Rozsah merania:	Total Cr, Cr(VI): $10 - 500 \mu\text{g/L}$ Cr(III): $20 - 500 \mu\text{g/L}$ Optional: $2 - 50 \mu\text{g/L}$ Cr(III): $5 - 50 \mu\text{g/L}$ $4 - 125 \mu\text{g/L}$ Cr(III): $10 - 125 \mu\text{g/L}$ $5 - 250 \mu\text{g/L}$ Cr(III): $10 - 250 \mu\text{g/L}$ $0.16 - 2 \text{ mg/L}$ Cr(III): $0.32 - 2 \text{ mg/L}$ (with internal dilution) $0.32 - 5 \text{ mg/L}$ Cr(III): $0.64 - 5 \text{ mg/L}$ (with internal dilution)
Rýchlosť prietoku vzorky:	$100 - 300 \text{ mL/min}$
Teplota prostredia:	$10 - 30 \text{ }^{\circ}\text{C} \pm 4 \text{ }^{\circ}\text{C}$ deviation at 5 - 95% relative humidity (non-condensing)
Teplota vzorky:	$10 - 30 \text{ }^{\circ}\text{C}$

Trieda ochrany:	Analyser cabinet: IP44 / Panel PC: IP65
Validation:	Automatic; frequency freely programmable
Vzorka: tlak:	By external overflow vessel
Záruka:	24 mesiacov

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