



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

Številka izdelka:

EZ2400.XXXXXXXXXX

EUR Cena:

Kontakt

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.

Specifikacije

Alarm:	1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Analogni izhodi:	Active 4 - 20 mA max. 500 Ohm load, standard 1, max. 8 (option)
Avtomatsko čiščenje:	Da
Certificiranje:	CE compliant / UL certified
Demineralised water:	For rinsing / dilution

Digital outputs:	Optional: Modbus (TCP/IP, RS485)
Dimenzija (v x š x g):	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 ²
Garancija:	24 mesecev
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Interference :	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.
Kakovost vzorca:	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Kiveta za vzorec:	20 minutes Total Cr (dilution + 5 min.)
	30 minutes Total Cr & Cr(VI)
Material:	Hinged part: Thermoform ABS, door: PMMA
	Wall section: Galvanised steel, powder coated
Meja zaznavanja:	Total Chromium, Cr(VI): ≤ 2 µg/L
	Cr(III): ≤ 5 µg/L
Merilna metoda:	Colorimetric measurement at 546 nm using diphenylcarbazide method, conform with standard method APHA 3500-Cr (B)
Merilno območje:	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)
Moč:	230 VAC, 50/60 Hz
	120 VAC, 50/60 Hz
	Max. power consumption: 440 VA
Model:	EZ2400
Odvod:	Atmospheric pressure, vented, min. Ø 32 mm
Parameter:	Chromium, total; Cr(VI), dissolved; Cr(III), dissolved
Precision:	Better than 2% full scale range for standard test solutions
Pretok vzorca:	100 - 300 mL/min
Razred zaščite:	Analyser cabinet: IP44 / Panel PC: IP65
Reagent Requirements:	Keep between 10 - 30 °C
Št. vzorca:	1, 2, 4 or 8
Temperatura okolja:	10 - 30 °C ±4 °C deviation at 5 - 95% relative humidity (non-condensing)
Temperatura vzorca:	10 - 30 °C
Teža:	25 kg
Umeritev:	Automatic, 2-point; frequency freely programmable
Validation:	Automatic; frequency freely programmable

Vsebina paketa:	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)
Vzorec: tlak:	By external overflow vessel

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