



Be Right™



EZ2400 Total Chromium + Chromium Cr(III), Cr(VI) Analyser, 1 stream, Modbus RS485

Termékszám: EZ2400.990A1C02

HUF Ár (nettó): Elérhetőségünk
Szállítási dátum kérése

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.

Műszaki adatok

Anyag:	Hinged part: Thermoform ABS, door: plexiglass
	Wall section: Galvanised steel, powder coated
Cooling water:	Flow rate approx. 5 L/h; temperature max. 30 °C; pressure max. 0.5 bar
Detektálási határ:	$\leq 1 \mu\text{g/L}$
Digitális kimenetek:	Modbus RS485

Earth connection:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm ²
Garancia:	2 év
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Interferenciák:	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.
Kalibrálás:	Automatic, 2-point; frequency freely programmable
Kimenet :	Modbus RS485

Optional:

Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs

RS232, Modbus TCP/IP

Környezeti hőmérséklet: 10 - 30 °C ±4 °C deviation at 5 - 95% relative humidity (non-condensing)

Lefolyócső: Atmospheric pressure, vented, min. Ø 64 mm

Mérés módszer: Colorimetric measurement at 546 nm using diphenylcarbazide method, conform with standard method APHA 3500-Cr (B)

Méréstartomány: 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): 10-125 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)

Méreték (MxSZxM): 690 mm x 465 mm x 330 mm

Minta hőmérséklet: 10 - 30 °C

Minta minőség: Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU

Minta: nyomás: By external overflow vessel

Mintaáram: 100 - 300 mL/min

Mintacellák: 20 minutes Total Cr (dilution + 5 min.)

30 minutes Total Cr & Cr(VI)

Mintautak száma: 1 stream

Optional:

1 to 8 streams

Paraméter: Chromium, total; Cr(VI), dissolved; Cr(III), dissolved

Pontosság: Better than 2% full scale range for standard test solutions

Reagent Requirements: Keep between 10 - 30 °C

Riasztás: 1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts

Súly: 25 kg

Tanúsítványok: CE compliant / UL certified

Teljesítmény:

220 VAC / 50 Hz

Validation:

Automatic; frequency freely programmable

Védettségi osztály:

Analyser cabinet: IP55 / Panel PC: IP65