



EZ2300 Total Aluminium + Aluminium Al(III) Analyser

Kat. číslo produktu: EZ2300.XXXXXXXXXX
CZK Cena bez DPH: Kontaktujte nás

Online colorimetric analysis of Total Aluminium + Dissolved Aluminium Al(III) in water

EZ2000 Total Aluminium 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 Aluminium 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 Aluminium 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
Analogové výstupy:	Active 4 - 20 mA max. 500 Ohm load, standard 1, max. 8 (option)
Certifikace:	CE compliant / UL certified
Demineralised water:	For rinsing / dilution
Digitální výstupy:	Optional: Modbus (TCP/IP, RS485)

Doba cyklu :	20 min Total Al (dilution + 5 min)
	30 min Total Al & Al (III)
Earth connection:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm ²
Hmotnost:	25 kg
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Interference :	Large amounts of colour and turbidity interfere. Fats, oil, proteins, surfactants and tar.
Jaký je obsah balení:	EZ2300 Aluminum Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets and 4 x empty 2.5L Reagent Containers with Fittings (for Acid, Buffer, Colour & Mixed Reagent Solution)
Kalibrace:	Automatic, 2-point; frequency freely programmable
Materiál:	Hinged part: Thermoform ABS, door: PMMA
	Wall section: Galvanised steel, powder coated
Metoda měření:	Colorimetric measurement using pyrocatechol violet method at 578 nm
Mez detekce:	≤ 10 µg/L
Napájení:	230 VAC, 50/60 Hz
	120 VAC, 50/60 Hz
	Max. power consumption: 440 VA
Odtok:	Atmospheric pressure, vented, min. Ø 32 mm
Okolní teplota:	10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)
Parametr:	Aluminum, total; Al(III), dissolved
Počet proudů vzorku:	1, 2, 4 or 8
Přesnost:	Better than 2% full scale range for standard test solutions
Přístroj:	EZ2300
Průtoková rychlost:	100 - 300 mL/min
Reagent Requirements:	Keep between 10 - 30 °C
Rozměry (V x Š x H):	690 mm x 465 mm x 330 mm
Rozsah měření:	10 - 150 µg/L Al
	Optional:
	10 - 75 µg/L
	80 - 600 µg/L (with internal dilution)
	160 - 1500 µg/L (with internal dilution)
Teplota vzorku:	10 - 30 °C
Tlak vzorku:	By external overflow vessel
Třída ochrany:	Protection class: Analyser cabinet: IP44 / Panel PC: IP65
Validation:	Automatic; frequency freely programmable
Záruka:	24 měsíců

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