



EZ4044 Calcium Hardness Analyser

Kat. číslo produktu: EZ4044.XXXXXXXXXX
EUR Cena bez DPH: Kontaktujte nás

Online, automatic titration of Calcium Hardness in water monitoring applications

State of the art titration platform

The EZ4000 Series Analysers are single-parameter titrators built on an industrial analytical platform. High precision dispensers, robust peristaltic pumps and carefully designed liquid pathways all add up to the highest performance for industrial and environmental analysis needs.

Unique flexibility in titration methods

Every application starts with the basics: the right titrimetric technique for the parameter of interest, the measuring range and the water matrix. Depending on the change in the specific variables, the EZ4000 Series run either acid-base, redox, precipitation or photolorimetric titration allowing for a unique flexibility.

The EZ4044 Calcium Hardness Analysers use colorimetric titration. They combine an unparalleled expertise in online titration with a set of unique analysis, control and communication features in a compact footprint:

- Wide standard range of 10 - 1000 mg/L CaCO_3
- Smart automatic features
- Control and communication via industrial panel PC
- Analogue and digital output options
- Multiple stream analysis (up to 8 streams)

There are many additional options available. Please contact Hach for more details.

Technické údaje

Alarm:	1x malfunctioning, 4x 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)
Č. prúdov vzoriek:	1, 2, 4 or 8
Certifikácia:	CE compliant / UL certified
Demineralised water:	For rinsing / dilution
Detekčný limit:	≤ 10 mg/L

Digitálne výstupy:	Optional: Modbus (TCP/IP, RS485)
Doba cyklu :	10 - 15 minutes
Earth connection:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm ²
Hmotnosť:	25 kg
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Interferencie:	Some metal ions interfere by causing fading or indistinct end points or by stoichiometric consumption of EDTA. Suspended or colloidal organic matter also may interfere with the end point. Large amounts of colour and turbidity interfere. Fats, oil, proteins, surfactants and tar.
Kalibrácia:	N.A.
Kvalita vzorky:	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Materiál:	Hinged part: Thermoform ABS, door: PMMA
	Wall section: Galvanised steel, powder coated
Metóda merania:	Colorimetric titration by EDTA using colour indicator hydroxynaphthol blue at 620 nm.
Model:	EZ4044
Napájanie:	100 - 240 VAC, 50/60 Hz
	Max. power consumption: 120 VA
Názov metódy:	Titrimetric
Obsah balenia:	EZ4044 Calcium Hardness Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 2 x empty 2.5L Reagent Containers with Fittings (for Colour & Acid Solution), 1 x empty 5L Reagent Container with Fittings (for Buffer Solution) and 1 x empty 10L Reagent Container with Fittings (for EDTA Solution)
Odtok:	Atmospheric pressure, vented, min. Ø 32 mm
Parameter:	Calcium Hardness
Presnosť:	Better than 2% full scale range for standard test solutions
Reagent Requirements:	Keep between 10 - 30 °C
Rozmery (V x Š x H):	690 mm x 465 mm x 330 mm
Rozsah merania:	100 - 1000 mg/L CaCO ₃
	Optional:
	10 - 100 mg/L CaCO ₃
	25 - 250 mg/L CaCO ₃
	50- 500 mg/L CaCO ₃
	Internal dispenser dilution (max. factor 100)
Rýchlosť prietoku vzorky:	100 - 300 mL/min
Teplota prostredia:	10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)
Teplota vzorky:	10 - 30 °C
Trieda ochrany:	Protection class: Analyser cabinet: IP44 / Panel PC: IP65
Validation:	Automatic; frequency freely programmable
Vzorka: tlak:	By external overflow vessel
Záruka:	24 mesiacov

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