



EZ4044 Calcium Hardness Analyser

Продукт №: EZ4044.XXXXXXXXXX

BGN Цена: Свържете се с нас

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 photocolorimetric 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 CaCO₃
- 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.

Спецификации

Demineralised water:	For rinsing / dilution
Digital outputs:	Optional: Modbus (TCP/IP, RS485)
Earth connection:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm ²
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Precision:	Better than 2% full scale range for standard test solutions
Reagent Requirements:	Keep between 10 - 30 °C

Validation:	Automatic; frequency freely programmable
Авариен сигнал:	1x malfunctioning, 4x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Аналогови изходи:	Active 4 - 20 mA max. 500 Ohm load, standard 1, max. 8 (option)
Бр. потоци проби:	1, 2, 4 or 8
Гаранция:	24 месеца
Граница на откриваемост:	≤ 10 mg/L
Дренаж:	Atmospheric pressure, vented, min. Ø 32 mm
Захранване:	100 - 240 VAC, 50/60 Hz
	Max. power consumption: 120 VA
Измерване метод:	Colorimetric titration by EDTA using colour indicator hydroxynaphthol blue at 620 nm.
Измерване, диапазон:	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)
Какво има в кутията:	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)
Калибриране:	N.A.
Клас на защита:	Protection class: Analyser cabinet: IP44 / Panel PC: IP65
Кювети за проба:	10 - 15 minutes
Материал:	Hinged part: Thermoform ABS, door: PMMA
	Wall section: Galvanised steel, powder coated
Метод, име:	Titrimetric
Модел:	EZ4044
Околна температура:	10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)
Параметър:	Calcium Hardness
Проба, дебит:	100 - 300 mL/min
Проба, качество:	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Проба: налягане:	By external overflow vessel
Размери (В x Ш x Д):	690 mm x 465 mm x 330 mm
Сертификати:	CE compliant / UL certified
Смущения:	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.
Тегло:	25 kg
Температура на проба:	10 - 30 °C

Какво има в кутията

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