



## **EZ1017 Calcium Hardness Analyser**

**Продукт №:** EZ1017.XXXXXXXXXX  
**BGN Цена:** Свържете се с нас

### **Online colorimetric analysis of Calcium Hardness in water**

EZ1000 Calcium Hardness 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.

#### **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 Calcium Hardness 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.

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### **Спецификации**

Demineralised water:	For rinsing / dilution
Digital outputs:	Optional: Modbus (TCP/IP, RS485)
Earth connection:	Dry and clean earth pole with low impedance ( $< 1 \text{ Ohm}$ ) using an earth cable of $> 2.5 \text{ mm}^2$
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

Аварийен сигнал:	1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Автоматично почистване:	Да
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:	$\leq 2.5 \mu\text{g/L CaCO}_3$
Дренаж:	Atmospheric pressure, vented, min. Ø 32 mm
Захранване:	100 - 240 VAC, 50/60 Hz
	Max. power consumption: 120 VA
Измерване метод:	Colorimetric measurement at 610 nm using hydroxynaphthol blue/EDTA
Измерване, диапазон:	0.025 - 1 mg/L $\text{CaCO}_3$
	Optional:
	0.005 - 0.25 mg/L
	0.005 - 0.5 mg/L
	0.2 - 4 mg/L (with internal dilution)
	0.4 - 8 mg/L (with internal dilution)
	0.25 - 10 mg/L (with internal dilution)
	0.625 - 25 mg/L (with internal dilution)
	1.25 - 50 mg/L (with internal dilution)
	1.875 - 75 mg/L (with internal dilution)
	2.5 - 100 mg/L (with internal dilution)
Какво има в кутията:	EZ1017 Calcium Hardness Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 3 x empty 2.5L Reagent Containers with Fittings (for Colour, Acid, and EDTA Solution) and 1 x empty 5L Reagent Container with Fittings (for Buffer)
Калибриране:	Automatic, 2-point; frequency freely programmable
Клас на защита:	Analyser cabinet: IP44 / Panel PC: IP65
Кювети за проба:	10 min (dilution + 5 min.)
Материал:	Hinged part: Thermoform ABS, door: PMMA
	Wall section: galvanised steel, powder coated
Метод, име:	Colorimetric
Модел:	EZ1017
Околна температура:	10 - 30 °C $\pm$ 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 $\mu\text{m}$ , < 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 / ETL certified
Смущения:	Dissolved Copper Cu(II) > 2 mg/L, Iron Fe(II) > 20 mg/L, Manganese > 10 mg/L, Zinc > 5 mg/L, Lead > 5 mg/L, Aluminium > 5 mg/L and Tin Sn(IV) interfere. Orthophosphate precipitates Calcium at the pH of the test. Strontium and Barium give a positive interference and alkalinity in

excess of 300 mg/L may cause an indistinct end point in hard waters. Large amounts of colour and turbidity interfere. Fats, oil, proteins, surfactants and tar.

Тегло: 25 kg  
Температура на проба: 10 - 30 °C

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