



EZ4043 Total Hardness Analyser

Proizvod #: EZ4043.XXXXXXXXXX
EUR Cijena: Kontaktirajte nas

Online, automatic titration of Total 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 EZ4043 Total Hardness Analysers use colorimetric titration and have a standard measuring range of 0.05 - 10 mg/L CaCO₃. They combine an unparalleled expertise in online titration with a set of unique analysis, control and communication features in a compact footprint:

- 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.

Specifikacije

Alarma:	1x malfunctioning, 4x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Analogni izlazi:	Active 4 - 20 mA max. 500 Ohm load, standard 1, max. 8 (option)
Broj uzoraka:	1, 2, 4 or 8
Certificiranja:	CE compliant / UL certified
Demineralised water:	For rinsing / dilution
Digital outputs:	Optional: Modbus (TCP/IP, RS485)
Dimenzije (V x Š x D):	690 mm x 465 mm x 330 mm

Earth connection:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm ²
Garancija:	24 mjeseci
Granica detekcije:	≤ 0.25 mg/L
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Interferencija :	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.
Kalibracija:	N.A.
Kivete:	10 - 15 minutes
Klasa zaštite:	Protection class: Analyser cabinet: IP44 / Panel PC: IP65
Kvaliteta uzorka:	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Masa:	25 kg
Materijal:	Hinged part: Thermoform ABS, door: PMMA
	Wall section: Galvanised steel, powder coated
Mjerna metoda:	Colorimetric titration by EDTA using colour indicator calmagite at 620 nm
Mjerni rang:	0.25 - 10 mg/L CaCO ₃
	Optional:
	Internal dispenser dilution (max. factor 100)
Model:	EZ4043
Napajanje:	100 - 240 VAC, 50/60 Hz
	Max. power consumption: 120 VA
Naziv metode:	Titrimetric
Odvod:	Atmospheric pressure, vented, min. Ø 32 mm
Parametar:	Hardness, total
Precision:	Better than 2% full scale range for standard test solutions
Protok uzorka:	100 - 300 mL/min
Reagent Requirements:	Keep between 10 - 30 °C
Što je u pretincu:	EZ4043 Total Hardness Analyser, Instruction Manual, 1 x Double Bit Door key, 1 x Mounting Brackets, 3 x empty 5L Reagent Containers with Fittings (for Buffer, Colour & Acid Solution) and 1 x empty 10L Reagent Container with Fittings (for EDTA Solution)
Temperatura prostora:	10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)
Temperatura uzorka:	10 - 30 °C
Uzorak: tlak:	By external overflow vessel
Validation:	Automatic; frequency freely programmable

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