



EZ4043 Total Hardness Analyser

Številka izdelka: EZ4043.XXXXXXXXXX
EUR Cena: Kontakt

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 photolorimetric 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

Alarm:	1x malfunctioning, 4x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Analogni izhodi:	Active 4 - 20 mA max. 500 Ohm load, standard 1, max. 8 (option)
Certificiranje:	CE compliant / UL certified
Demineralised water:	For rinsing / dilution
Digital outputs:	Optional: Modbus (TCP/IP, RS485)
Dimenzija (v x š x g):	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 mesecev
Ime metode:	Titrimetric
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Interference :	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.
Kakovost vzorca:	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Kiveta za vzorec:	10 - 15 minutes
Material:	Hinged part: Thermoform ABS, door: PMMA
	Wall section: Galvanised steel, powder coated
Meja zaznavanja:	≤ 0.25 mg/L
Merilna metoda:	Colorimetric titration by EDTA using colour indicator calmagite at 620 nm
Merilno območje:	0.25 - 10 mg/L CaCO ₃
	Optional:
	Internal dispenser dilution (max. factor 100)
Moč:	100 - 240 VAC, 50/60 Hz
	Max. power consumption: 120 VA
Model:	EZ4043
Odvod:	Atmospheric pressure, vented, min. Ø 32 mm
Parameter:	Hardness, total
Precision:	Better than 2% full scale range for standard test solutions
Pretok vzorca:	100 - 300 mL/min
Razred zaščite:	Protection class: Analyser cabinet: IP44 / Panel PC: IP65
Reagent Requirements:	Keep between 10 - 30 °C
Št. vzorca:	1, 2, 4 or 8
Temperatura okolja:	10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)
Temperatura vzorca:	10 - 30 °C
Teža:	25 kg
Umeritev:	N.A.
Validation:	Automatic; frequency freely programmable
Vsebina paketa:	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)
Vzorec: tlak:	By external overflow vessel

Vsebina paketa

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)