



EZ4043 Total Hardness Analyser

Kat. číslo produktu: EZ4043.XXXXXXXXXX
CZK Cena bez DPH: Kontaktujte nás

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.

Technické údaje

Alarm:	1x malfunctioning, 4x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Analogové výstupy:	Active 4 - 20 mA max. 500 Ohm load, standard 1, max. 8 (option)
Certifikace:	CE compliant / UL certified
Demineralised water:	For rinsing / dilution
Digitální 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

Hmotnost:	25 kg
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.
Jaký je obsah balení:	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)
Kalibrace:	N.A.
Materiál:	Hinged part: Thermoform ABS, door: PMMA
	Wall section: Galvanised steel, powder coated
Metoda:	Titrimetric
Metoda měření:	Colorimetric titration by EDTA using colour indicator calmagite at 620 nm
Mez detekce:	≤ 0.25 mg/L
Napájení:	100 - 240 VAC, 50/60 Hz
	Max. power consumption: 120 VA
Odtok:	Atmospheric pressure, vented, min. Ø 32 mm
Okolní teplota:	10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)
Parametr:	Hardness, total
Počet proudů vzorku:	1, 2, 4 or 8
Požadavky na vzorek:	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Přesnost:	Better than 2% full scale range for standard test solutions
Přístroj:	EZ4043
Průtoková rychlost:	100 - 300 mL/min
Reagent Requirements:	Keep between 10 - 30 °C
Rozměry (V x Š x H):	690 mm x 465 mm x 330 mm
Rozsah měření:	0.25 - 10 mg/L CaCO ₃
	Optional:
	Internal dispenser dilution (max. factor 100)
Teplota vzorku:	10 - 30 °C
Tlak vzorku:	By external overflow vessel
Třída ochrany:	Protection class: Analyser cabinet: IP44 / Panel PC: IP65
Validation:	Automatic; frequency freely programmable
Záruka:	24 měsíců

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