EZ4041 Total Hardness Analyser

Nr. produs: **EZ4041.XXXXXXXX**

RON Preț (fără TVA):   Contact

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 EZ4041 Total 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 measuring range of 0-1000 mg/L $CaCO_3$

- 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.

Specificații

Alarma:	1x malfunctioning, 4x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Calibrare:	N.A.
Calitate proba:	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Certificări:	CE compliant / UL certified
Clasa de protectie:	Protection class: Analyser cabinet: IP44 / Panel PC: IP65

Conținutul cutiei:	EZ4041 Total Hardness Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 3 x empty 2.5L Reagent Containers with Fittings (for Buffer, Colour & Acid Solution) and 1 x empty 10L Reagent Container with Fittings (for EDTA Solution)
Cuve:	10 - 15 minutes
Debitul probei:	100 - 300 mL/min
Demineralised water:	For rinsing / dilution
Digital outputs:	Optional: Modbus (TCP/IP, RS485)
Dimensiuni (Înălțime x Lățime x Adâncime):	690 mm x 465 mm x 330 mm
Domeniu de măsurare:	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)
Earth connection:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm²
Esantion: presiune:	By external overflow vessel
Garanție:	24 luni
Greutate:	25 kg
Iesiri analogice:	Active 4 - 20 mA max. 500 Ohm load, standard 1, max. 8 (option)
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Interferente:	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.
Limita de detecție:	≤ 10 mg/L
Material:	Hinged part: Thermoform ABS, door: PMMA
	Wall section: Galvanised steel, powder coated
Metoda de măsurare:	Colorimetric titration by EDTA using colour indicator calmagite at 620 nm
Model:	EZ4041
Nr. flux probe :	1, 2, 4 or 8
Nume metoda:	Titrimetric
Parametru:	Hardness, total
Precizie:	Better than 2% full scale range for standard test solutions
Putere:	100 - 240 VAC, 50/60 Hz
	Max. power consumption: 120 VA
Reagent Requirements:	Keep between 10 - 30 °C
Scurgere:	Atmospheric pressure, vented, min. Ø 32 mm
Temparatura ambiantă:	10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)
Temperatura probă:	10 - 30 °C
Validation:	Automatic; frequency freely programmable

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