EZ5006 Total Hardness / Total Calcium Hardness + Total / Free Alkalinity Analyser

Nr. produs: **EZ5006.XXXXXXXX**

RON Preț (fără TVA):   Contact

Online, automatic titration of Total Hardness + Calcium Hardness + Total / Free Alkalinity in water

EZ5000 Series Analysers are multi-parameter titrators that achieve excellent precision and accuracy. Depending on the parameter of interest, the measuring range and the water matrix the EZ5000 Series may use either potentiometry i.e. acid-base, redox or precipitation titration, where the endpoint is determined by a change in a specific variable, or photocolorimetry, where colour change is used to determine the endpoint of the titration. The high precision dispenser for addition, robust peristaltic pumps for sampling and drain, and carefully designed liquid pathways all add up to the highest performance for industrial and environmental analysis needs.

Results you can rely on

Smart automatic features for validation, priming and cleaning are embedded in the controller software and contribute to analytical performance, maximised uptime and negligible operator invervention. 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 Alkalinity and 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.

Specificații

Alarma:	1 x malfunctioning, 4 x 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:	EZ5006 Alkalinity Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 1 x pH Electrode, Routine S7 Connection, 1 x Photometer Probe, 5 x empty 2.5L Reagent Containers with Fittings (Acid, Buffer Ca, Buffer Ca/Mg, Colour Ca & Colour Ca/Mg Solution) and 2 x empty 10L Reagent Containers with Fittings (EDTA & HCl Solution)
Cuve:	20 - 30 minutes
	40 minutes (+ Total Hardness Ca)
Debitul probei:	100 - 300 mL/min
Demineralised water:	For rinsing
Digital outputs:	Optional: Modbus (TCP/IP, RS485)
Dimensiuni (Înălțime x Lățime x Adâncime):	690 mm x 465 mm x 330 mm
Domeniu de măsurare:	Total Hardness/Total Calcium Hardness: 25 - 1000 mg/L $CaCO_3$
	Total/Free Alkalinity: 100 - 5000 mg/L $CaCO_3$
	Optional:
	TH/THCa: 10 - 100 mg/L $CaCO_3$
	Total/Free Alkalinity: 10 - 500 mg/L $CaCO_3$
	TH/THCa: 10 - 250 mg/L $CaCO_3$
	Total/Free Alkalinity: 25 - 1250 mg/L $CaCO_3$
	TH/THCa: 25 - 500 mg/L $CaCO_3$
	Total/Free Alkalinity: 50 - 2500 mg/L $CaCO_3$
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:	Hardness: 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 interferes. Fats, oil, proteins, surfactants and tar.
	Alkalinity: Soaps, oily matter, suspended solids or precipitates may coat the glass electrode and cause a sluggish response. Allow additional time between titrant additions to let the electrode come to equilibrium or clean the electrodes occasionally.
Limita de detecție:	≤ 10 mg/L
Material:	Hinged part: Thermoform ABS, door: PMMA
	Wall section: Galvanised steel, powder coated
Metoda de măsurare:	Acid-base titration (alkalinity only); Calmagite EDTA titration with LED dipping probe (combined)
Nr. flux probe :	1, 2, 4 or 8
Nume metoda:	Titrimetric
Parametru:	Hardness, total; Calcium hardness, total; Alkalinity, total; Alkalinity, free

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

Conținutul cutiei

EZ5006 Alkalinity Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 1 x pH Electrode, Routine S7 Connection, 1 x Photometer Probe, 5 x empty 2.5L Reagent Containers with Fittings (Acid, Buffer Ca, Buffer Ca/Mg, Colour Ca & Colour Ca/Mg Solution) and 2 x empty 10L Reagent Containers with Fittings (EDTA & HCl Solution)