



## **EZ4003 Free Alkalinity Analyser**

Številka izdelka: **EZ4003.XXXXXXXXXX**  
EUR Cena: Kontakt

### **Online, automatic titration of Alkalinity 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 EZ4003 Free Alkalinity Analysers use acid-base 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 range of 100-2500 mg/L CaCO<sub>3</sub>
- 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.

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### **Specifikacije**

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|------------------------|-------------------------------------------------------------------------------------|
| 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 <sup>2</sup>                                                                                                                                             |
| 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 :        | 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. |
| 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:      | ≤ 10 mg/L                                                                                                                                                                                                                                       |
| Merilna metoda:       | Acid-base titration with hydrochloric acid                                                                                                                                                                                                      |
| Merilno območje:      | 100 - 5000 mg/L CaCO <sub>3</sub>                                                                                                                                                                                                               |
|                       | Optional:                                                                                                                                                                                                                                       |
|                       | 10 - 500 mg/L CaCO <sub>3</sub>                                                                                                                                                                                                                 |
|                       | 25 - 1250 mg/L CaCO <sub>3</sub>                                                                                                                                                                                                                |
|                       | 50 - 2500 mg/L CaCO <sub>3</sub>                                                                                                                                                                                                                |
|                       | Internal dispenser dilution (max. factor 100)                                                                                                                                                                                                   |
| Moč:                  | 100 - 240 VAC, 50/60 Hz                                                                                                                                                                                                                         |
|                       | Max. power consumption: 120 VA                                                                                                                                                                                                                  |
| Odvod:                | Atmospheric pressure, vented, min. Ø 32 mm                                                                                                                                                                                                      |
| Parameter:            | Alkalinity, free                                                                                                                                                                                                                                |
| 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:             | Automatic, 2-point; frequency freely programmable                                                                                                                                                                                               |
| Validation:           | Automatic; frequency freely programmable                                                                                                                                                                                                        |
| Vzorec: tlak:         | By external overflow vessel                                                                                                                                                                                                                     |