



EZ4003 Free Alkalinity Analyser

Produktnr: EZ4003.XXXXXXXXXX
SEK Pris: Kontakta oss

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 photocolorimetric 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 CaCO₃
- 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.

Specifikationer

Analoga utgångar:	Active 4 - 20 mA max. 500 Ohm load, standard 1, max. 8 (option)
Antal provströmmar:	1, 2, 4 or 8
Certifieringar :	CE compliant / UL certified
Cykeltid:	10 - 15 minutes
Demineralised water:	For rinsing / dilution
Detektionsgräns:	≤ 10 mg/L

Digital outputs:	Optional: Modbus (TCP/IP, RS485)
Dimension (H x B x D):	690 mm x 465 mm x 330 mm
Dränering:	Atmospheric pressure, vented, min. Ø 32 mm
Earth connection:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm ²
Garanti :	24 månader
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Kalibrering:	Automatic, 2-point; frequency freely programmable
Larm:	1x malfunctioning, 4x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Material:	Hinged part: Thermoform ABS, door: PMMA
	Wall section: Galvanised steel, powder coated
Mätmetod:	Acid-base titration with hydrochloric acid
Matningsspänning:	100 - 240 VAC, 50/60 Hz
	Max. power consumption: 120 VA
Mätområde:	100 - 5000 mg/L CaCO ₃
	Optional:
	10 - 500 mg/L CaCO ₃
	25 - 1250 mg/L CaCO ₃
	50 - 2500 mg/L CaCO ₃
	Internal dispenser dilution (max. factor 100)
Metodnamn:	Titrimetric
Omgivningstemperatur:	10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)
Parameter:	Alkalinity, free
Precision:	Better than 2% full scale range for standard test solutions
Prov: tryck:	By external overflow vessel
Provflödeshastighet:	100 - 300 mL/min
Provkvalitet:	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Provtemperatur:	10 - 30 °C
Reagent Requirements:	Keep between 10 - 30 °C
Skyddsklass:	Protection class: Analyser cabinet: IP44 / Panel PC: IP65
Störningar:	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.
Validation:	Automatic; frequency freely programmable
Vikt :	25 kg