



Be Right™



EZ5004 Total Hardness + Total Alkalinity Analyser, 1 stream, Modbus RS485

Termékszám: EZ5004.99001C02
HUF Ár (nettó): Elérhetőségünk
Szállítási dátum kérése

Online, automatic titration of Total Hardness + Total Alkalinity in water monitoring applications

The EZ5000 Series are state of the art titrators built on an industrial analytical platform run by AppliTek's proprietary controller-database software. High precision micropumps 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.

Each and every application starts with the basics: the right titrimetric technique in function of the parameter(s) 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 photolorimetry, where colour change is used to determine the endpoint of the titration, or a combination of techniques run sequentially in two analysis cycles.

Similar to the single-parameter EZ4000 Series, the EZ5000 Series combines an unparalleled expertise in online titration with a set of unique analysis, control and communication features in a compact footprint:

- Unique flexibility in titration methods
- Multi-parameter analysis
- Smart automatic features
- Control and communication via industrial panel PC
- Standard 4 - 20 mA signal output with alarm processing
- Communication supporting Ethernet onnectivity to Modbus TCP/IP
- Multiple stream analysis

There are many additional options available. Please contact Hach for more details.

Műszaki adatok

Anyag:	Hinged part: Thermoform ABS, door: plexiglass
	Wall section: Galvanised steel, powder coated
Demineralised water:	For rinsing
Detektálási határ:	≤ 10 mg/L
Digitális kimenetek:	Modbus RS485

Earth connection:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm ²
Garancia:	2 év
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Interferenciák:	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.
Kalibrálás:	N.A.
Kimenet :	Modbus RS485 Optional: Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs RS232, Modbus TCP/IP
Környezeti hőmérséklet:	10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)
Lefolyócső:	Atmospheric pressure, vented, min. Ø 64 mm
Mérés módszer:	Acid-base titration (alkalinity only); Calmagite EDTA titration with LED dipping probe (combined)
Méréstartomány:	Total Hardness: 25 - 1000 mg/L CaCO ₃ Alkalinity: 100 - 5000 mg/L CaCO ₃ Optional: Total Hardness: 10 - 100 mg/L CaCO ₃ Alkalinity: 10 - 500 mg/L CaCO ₃ Total Hardness: 10 - 250 mg/L CaCO ₃ Alkalinity: 25 - 1250 mg/L CaCO ₃ Total Hardness: 25 - 500 mg/L CaCO ₃ Alkalinity: 50 - 2500 mg/L CaCO ₃
Méreték (MxSZxM):	690 mm x 465 mm x 330 mm
Minta hőmérséklet:	10 - 30 °C
Minta minőség:	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Minta: nyomás:	By external overflow vessel
Mintaáram:	100 - 300 mL/min
Mintacellák:	20 - 30 minutes 40 minutes (+ Total Hardness Ca)
Mintautak száma:	1 stream Optional:

	1 to 8 streams
Paraméter:	Hardness, total; Alkalinity, total
Pontosság:	Better than 2% full scale range for standard test solutions
Reagent Requirements:	Keep between 10 - 30 °C
Riasztás:	1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Súly:	25 kg
Tanúsítványok:	CE compliant / UL certified
Teljesítmény:	100 - 240 VAC, 50/60 Hz
	Max. power consumption: 120 VA
Validation:	Automatic; frequency freely programmable
Védettségi osztály:	Analyser cabinet: IP55 / Panel PC: IP65