



## EZ4005 Ammonium Analyser

**Termékszám:** EZ4005.XXXXXXXXXX  
**HUF Ár (nettó):** Elérhetőségünk

### Online automatic titration of Ammonium in water

EZ4000 Series Analysers are single-parameter titrators that achieve excellent precision and accuracy. Depending on the parameter of interest, the measuring range and the water matrix the EZ4000 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. 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 intervention. 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 Ammonium 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.

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## Műszaki adatok

A doboz tartalma:	EZ4005 Ammonium Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 1 x pH Electrode, Routine S7 Connection,  1 x empty 5L Reagent Container with Fittings (for H <sub>2</sub> SO <sub>4</sub> Solution) and 1 x empty 10L Reagent Container with Fittings (for NaOH Solution)
Analóg kimenetek:	Active 4 - 20 mA max. 500 Ohm load, standard 1, max. 8 (option)
Anyag:	Hinged part: Thermoform ABS, door: PMMA

Demineralised water:	Wall section: Galvanised steel, powder coated
Detektálási határ:	For rinsing / dilution $\leq 10 \text{ mg/L}$
Digitális kimenetek:	Optional: Modbus (TCP/IP, RS485)
Earth connection:	Dry and clean earth pole with low impedance ( $< 1 \text{ Ohm}$ ) using an earth cable of $> 2.5 \text{ mm}^2$
Garancia:	24 hónap
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Interferenciák:	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. Alkaline compounds may interfere with the titration.
Kalibrálás:	N.A.
Környezeti hőmérséklet:	$10 - 30 \text{ }^{\circ}\text{C} \pm 4 \text{ }^{\circ}\text{C}$ deviation at 5 - 95% relative humidity (non-condensing)
Lefolyócső:	Atmospheric pressure, vented, min. $\varnothing 32 \text{ mm}$
Mérés módszer:	Acid-base titration with sulphuric acid, conform with standard method APHA 4500-NH3
Méréstartomány:	100 - 5000 mg/L $\text{NH}_4$  Optional:  10 - 500 mg/L $\text{NH}_4$  25 - 1250 mg/L $\text{NH}_4$  50 - 2500 mg/L $\text{NH}_4$
Méretetek (MxSZxM):	690 mm x 465 mm x 330 mm
Minta hőmérséklet:	$10 - 30 \text{ }^{\circ}\text{C}$
Minta minőség:	Maximum particle size $100 \text{ }\mu\text{m}$ , $< 0.1 \text{ g/L}$ ; Turbidity $< 50 \text{ NTU}$
Minta: nyomás:	By external overflow vessel
Mintaáram:	100 - 300 mL/min
Mintacellák:	10 - 15 minutes
Mintautak száma:	1, 2, 4 or 8
Paraméter:	Ammonium
Pontosság:	Better than 2% full scale range for standard test solutions
Reagent Requirements:	Keep between $10 - 30 \text{ }^{\circ}\text{C}$
Riasztás:	1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Súly:	25 kg
Szünet mód:	100 - 240 VAC, 50/60 Hz
Tanúsítványok:	CE compliant / UL certified
Teljesítmény:	100 - 240 VAC, 50/60 Hz  Max. power consumption: 120 VA
Típus:	EZ4005
Validation:	Automatic; frequency freely programmable
Védettségi osztály:	Protection class: Analyser cabinet: IP44 / Panel PC: IP65

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