



## EZ4005 Ammonium Analyser

Nr. produs: **EZ4005.XXXXXXXXXX**  
RON Preț (fără TVA): Contact

### 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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## Specificații

Alarma:	1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Alimentare electrică:	100 - 240 VAC, 50/60 Hz
Calibrare:	N.A.
Calitate proba:	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Certificări:	CE compliant / UL certified

Clasa de protecție:	Protection class: Analyser cabinet: IP44 / Panel PC: IP65
Conținutul cutiei:	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)
Cuve:	10 - 15 minutes
Debitul probei:	100 - 300 mL/min
Demineralised water:	For rinsing / dilution
Digital outputs:	Optional: Modbus (TCP/IP, RS485)
Dimensiuni (Înălțime x Lățime x Adâncime):	690 mm x 465 mm x 330 mm
Domeniu de măsurare:	100 - 5000 mg/L NH <sub>4</sub>  Optional:  10 - 500 mg/L NH <sub>4</sub>  25 - 1250 mg/L NH <sub>4</sub>  50 - 2500 mg/L NH <sub>4</sub>
Earth connection:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm <sup>2</sup>
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:	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.
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 with sulphuric acid, conform with standard method APHA 4500-NH3
Model:	EZ4005
Nr. flux probe :	1, 2, 4 or 8
Parametru:	Ammonium
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
Temperatura ambiantă:	10 - 30 °C ±4 °C deviation at 5 - 95% relative humidity (non-condensing)
Temperatura probă:	10 - 30 °C
Validation:	Automatic; frequency freely programmable

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