



## EZ4005 Ammonium Analyser, 1 stream, Modbus RS485

Kat. číslo produktu: EZ4005.99001C02

CZK Cena: Kontaktujte nás

Datum dodání na vyžádání

### Online, automatic titration of Ammonium 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 EZ4005 Ammonium 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 0-5000 mg/L NH<sub>4</sub>-N
- 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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### Technické údaje

Alarm:	1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Certifikace:	CE compliant / UL certified
Digitální výstupy:	Modbus RS485
Doba cyklu :	10 - 15 minutes
Earth connection:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm <sup>2</sup>
Hmotnost:	25 kg

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. Alkaline compounds may interfere with the titration.
Kalibrace:	N.A.
Materiál:	Hinged part: Thermoform ABS, door: plexiglass
	Wall section: Galvanised steel, powder coated
Metoda měření:	Acid-base titration with sulphuric acid, conform with standard method APHA 4500-NH3
Mez detekce:	≤ 10 mg/L
Napájení:	110 - 220 VAC, 2 A, 50/60Hz
	Max. power consumption: 150 VA
	Other voltages available on request
Odtok:	Atmospheric pressure, vented, min. Ø 64 mm
Okolní teplota:	10 - 30 °C ±4 °C deviation at 5 - 95% relative humidity (non-condensing)
Parametr:	Ammonium
Počet proudů vzorku:	1 stream
	Optional:
	1 to 8 streams
Požadavky na vzorek:	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Přesnost:	Better than 2% full scale range for standard test solutions
Průtoková rychlost:	100 - 300 mL/min
Reagent Requirements:	Keep between 10 - 30 °C
Rozměry (V x Š x H):	690 mm x 465 mm x 330 mm
Rozsah měření:	0 - 5000 mg/L NH <sub>4</sub> -N
	Optional:
	0 - 500 mg/L NH <sub>4</sub> -N
	0 - 1250 mg/L NH <sub>4</sub> -N
	0 - 2500 mg/L NH <sub>4</sub> -N
Teplota vzorku:	10 - 30 °C
Tlak vzorku:	By external overflow vessel
Třída ochrany:	Analyser cabinet: IP55 / Panel PC: IP65
Validation:	Automatic; frequency freely programmable
Výstup:	Modbus RS485
	Optional:
	Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs
	RS232, Modbus TCP/IP
Záruka:	2 roky