



## EZ1029 Nitrate Analyser

**Proizvod #:** EZ1029.XXXXXXXXXX  
**EUR Cijena:** Kontaktirajte nas

### Online colorimetric analysis of Nitrate in water

EZ1000 Nitrate Analysers achieve excellent precision and accuracy. At the heart of the colorimeter there is a compact photometer assembly developed especially for the EZ Series. Consumption of reagents is reduced by low volume analysis, yet high sensitivity is assured by a long optical path length. The limit of detection is in the low µg/L range.

### Results you can rely on

Smart automatic features for calibration, validation, priming and cleaning are embedded in the controller software and contribute to analytical performance, maximised uptime and negligible operator intervention. Precision micropumps dose all reagents. 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 Nitrate 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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## Specifikacije

|                      |   |
|----------------------|---|
| Alarma:              | 1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts |
| Analogni izlazi:     | Active 4 - 20 mA max. 500 Ohm load, standard 1, max. 8 (option)                       |
| Automatsko čišćenje: | Da  |
| Broj uzoraka:        | 1, 2, 4, or 8   |
| Certificiranja:      | CE compliant / ETL certified  |
| Demineralised water: | For rinsing / dilution  |
| Digital outputs:     | Optional: Modbus (TCP/IP, RS485)  |

|                        |   |
|------------------------|---|
| Dimenzije (V x Š x D): | 690 mm x 465 mm x 330 mm  |
| Earth connection:      | Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm <sup>2</sup>   |
| Garancija:             | 24 mjeseci  |
| Granica detekcije:     | ≤ 0.2 mg/L  |
| Instrument air:        | Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air  |
| Interferencija :       | Ions like Antimony Sb(III), Bismuth, Chloroplatinate, Gold, Iron Fe(III), Lead, Mercury, Metavanadate, Silver can precipitate with Nitrate. Presence of Copper Cu(II) may decompose the diazonium salt which results in a low result. Strong oxidizing agents. Tricloramine results in a false red colour. Large amounts of colour and turbidity interfere. Fats, oil, proteins, surfactants and tar. |
| Kalibracija:           | Automatic, 2-point; frequency freely programmable   |
| Kivete:                | 10 min  |
| Klasa zaštite:         | Protection class: Analyser cabinet: IP44 / Panel PC: IP65   |
| Kvaliteta uzorka:      | Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU   |
| Masa:                  | 25 kg   |
| Materijal:             | Hinged part: Thermoform ABS, door: PMMA   |
|                        | Wall section: galvanised steel, powder coated   |
| Mjerna metoda:         | Colorimetric measurement at 546 nm using NEDD, conform with standard method ASTM 4500-NO3-A   |
| Mjerni rang:           | 0.2 - 10 mg/L NO <sub>3</sub> -N  |
| Model:                 | EZ1029  |
| Napajanje:             | 100 - 240 VAC, 50/60 Hz   |
|                        | Max. power consumption: 120 VA  |
| Odvod:                 | Atmospheric pressure, vented, min. Ø 32 mm  |
| Parametar:             | Nitrate   |
| Pauza:                 | 100 - 240 VAC, 50/60 Hz   |
| Precision:             | Better than 3% full scale range for standard test solutions   |
| Protok uzorka:         | 100 - 300 mL/min  |
| Reagent Requirements:  | Keep between 10 - 30 °C   |
| Što je u pretincu:     | EZ1029 Nitrate Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 1 x empty 2.5L Reagent Container with Fittings (for Sulfamic Acid & Buffer Solution), 1 x empty 5L Reagent Container with Fittings (for Reductor Solution) and 1 x empty 2.5L Glass Reagent Container with Fittings (for Colour Solution)  |
| Temperatura prostora:  | 10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)   |
| Temperatura uzorka:    | 10 - 30 °C  |
| Uzorak: tlak:          | By external overflow vessel   |
| Validation:            | Automatic; frequency freely programmable  |

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