



## EZ1027 Nickel Ni(II) Analyser

Продукт №: EZ1027.XXXXXXXXXX  
BGN Цена: Свържете се с нас

### Online colorimetric analysis of dissolved Nickel in water

EZ1000 Nickel 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  $\mu\text{g/L}$  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 Nickel 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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### Спецификации

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|-----------------------|----------------------------------------------------------------------------------------------------------------|
| Demineralised water:  | For rinsing / dilution                                                                                         |
| Digital outputs:      | Optional: Modbus (TCP/IP, RS485)                                                                               |
| Earth connection:     | Dry and clean earth pole with low impedance ( $< 1 \text{ Ohm}$ ) using an earth cable of $> 2.5 \text{ mm}^2$ |
| Instrument air:       | Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air                             |
| Precision:            | Better than 2% full scale range for standard test solutions                                                    |
| Reagent Requirements: | Keep between 10 - 30 °C                                                                                        |
| Validation:           | Automatic; frequency freely programmable                                                                       |
| Аварийен сигнал:      | 1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts                          |

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|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Автоматично почистване:  | Да                                                                                                                                                                                                                                                                                                                                                                                   |
| Аналогови изходи:        | Active 4 - 20 mA max. 500 Ohm load, standard 1, max. 8 (option)                                                                                                                                                                                                                                                                                                                      |
| Бр. потоци проби:        | 1, 2, 4, or 8                                                                                                                                                                                                                                                                                                                                                                        |
| Гаранция:                | 24 месеца                                                                                                                                                                                                                                                                                                                                                                            |
| Граница на откриваемост: | ≤ 5 µg/L                                                                                                                                                                                                                                                                                                                                                                             |
| Дренаж:                  | Atmospheric pressure, vented, min. Ø 32 mm                                                                                                                                                                                                                                                                                                                                           |
| Захранване:              | 100 - 240 VAC, 50/60 Hz                                                                                                                                                                                                                                                                                                                                                              |
|                          | Max. power consumption: 120 VA                                                                                                                                                                                                                                                                                                                                                       |
| Измерване метод:         | Colorimetric measurement using DMG colour solution                                                                                                                                                                                                                                                                                                                                   |
| Измерване, диапазон:     | 10 - 500 µg/L Ni                                                                                                                                                                                                                                                                                                                                                                     |
|                          | Optional:                                                                                                                                                                                                                                                                                                                                                                            |
|                          | 5 - 125 µg/L                                                                                                                                                                                                                                                                                                                                                                         |
|                          | 5 - 250 µg/L                                                                                                                                                                                                                                                                                                                                                                         |
|                          | 80 - 2000 µg/L (with internal dilution)                                                                                                                                                                                                                                                                                                                                              |
|                          | 160 - 4000 µg/L (with internal dilution)                                                                                                                                                                                                                                                                                                                                             |
|                          | 1 - 50 mg/L (with internal dilution)                                                                                                                                                                                                                                                                                                                                                 |
| Какво има в кутията:     | EZ1027 Nickel Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets and Empty Containers for Reagents with Fittings                                                                                                                                                                                                                                           |
| Калибриране:             | Automatic, 2-point; frequency freely programmable                                                                                                                                                                                                                                                                                                                                    |
| Клас на защита:          | Protection class: Analyser cabinet: IP44 / Panel PC: IP65                                                                                                                                                                                                                                                                                                                            |
| Кювети за проба:         | 10 minutes (dilution + 5 min.)                                                                                                                                                                                                                                                                                                                                                       |
| Материал:                | Hinged part: Thermoform ABS, door: PMMA                                                                                                                                                                                                                                                                                                                                              |
|                          | Wall section: Galvanised steel, powder coated                                                                                                                                                                                                                                                                                                                                        |
| Модел:                   | EZ1027                                                                                                                                                                                                                                                                                                                                                                               |
| Околна температура:      | 10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)                                                                                                                                                                                                                                                                                                            |
| Параметър:               | Nickel Ni(II), dissolved                                                                                                                                                                                                                                                                                                                                                             |
| Пауза:                   | 100 - 240 VAC, 50/60 Hz                                                                                                                                                                                                                                                                                                                                                              |
| Проба, дебит:            | 100 - 300 mL/min                                                                                                                                                                                                                                                                                                                                                                     |
| Проба, качество:         | Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU                                                                                                                                                                                                                                                                                                                          |
| Проба: налягане:         | By external overflow vessel                                                                                                                                                                                                                                                                                                                                                          |
| Размери (В x Ш x Д):     | 690 мм x 465 мм x 330 мм                                                                                                                                                                                                                                                                                                                                                             |
| Сертификати:             | CE compliant / UL certified                                                                                                                                                                                                                                                                                                                                                          |
| Смущения:                | Metal ions like Aluminium Al(III), Bismuth Bi(II), Cadmium Cd(II), Chromium Cr(III), Cobalt Co(II), Copper Cu(II), Iron Fe(II), Iron Fe(III), Lead Pb(II), Manganese Mn(II), Magnesium Mg(II), Mercury Hg(II), Palladium Pd(II), Platinum Pt(II), Silver Ag(I), Tin Sn(II), Zinc Zn(II). Large amounts of colour and turbidity interferes. Fats, oil, proteins, surfactants and tar. |
| Тегло:                   | 25 kg                                                                                                                                                                                                                                                                                                                                                                                |
| Температура на проба:    | 10 - 30 °C                                                                                                                                                                                                                                                                                                                                                                           |

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## Какво има в кутията

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