



Be Right™



EZ1004 Boron B(III) Analyser, 1 stream, Modbus RS485

Številka izdelka: EZ1004.99001C02
EUR Cena: Kontakt
Pokliči za datum odpreme

Online colorimetric analysis of dissolved Boron in water

EZ1000 Boron 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 Boron 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

Specifikacije

| | |
|------------------------|--|
| Alarm: | 1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts |
| Certificiranje: | CE compliant / UL certified |
| Demineralised water: | For rinsing / dilution |
| Digital outputs: | Modbus RS485 |
| Dimenzija (v x š x g): | 690 mm x 465 mm x 330 mm |
| Earth connection: | Dry and clean earth pole with low impedance ($< 1 \text{ Ohm}$) using an earth cable of $> 2.5 \text{ mm}^2$ |
| Garancija: | 2 leti |
| Instrument air: | Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air |

| | |
|-----------------------|--|
| Interference : | Aluminium, Iron, Copper, Titanium and Zinc ions in high concentrations may interfere. Large amounts of colour and turbidity interfere. Fats, oil, proteins, surfactants and tar. |
| Izhod: | Modbus RS485 |
| | Optional: max. 8 active 4 - 20 mA max. 500 Ohm load outputs, RS232, Modbus TCP/IP |
| Kakovost vzorca: | Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU |
| Kiveta za vzorec: | 15 min (dilution + 5 min.) |
| Material: | Hinged part: Thermoform ABS, door: plexiglass |
| | Wall section: galvanised steel, powder coated |
| Meja zaznavanja: | ≤ 10 µg/L |
| Merilna metoda: | Colorimetric measurement at 405 nm using Azomethine-H |
| Merilno območje: | 0 - 500 µg/L B(III) |
| | Optional: |
| | 0 - 50 µg/L |
| | 0 - 125 µg/L |
| | 0 - 250 µg/L |
| | 0 - 2 mg/L (with internal dilution) |
| | 0 - 4 mg/L (with internal dilution) |
| | 0 - 50 mg/L (with internal dilution) |
| Moč: | 100 - 240 VAC, 50/60 Hz |
| | Max. power consumption: 120 VA |
| Odvod: | Atmospheric pressure, vented, min. Ø 64 mm |
| Parameter: | Boron B(III), dissolved |
| Precision: | Better than 2% full scale range for standard test solutions |
| Pretok vzorca: | 100 - 300 mL/min |
| Razred zaščite: | Analyser cabinet: IP55 / Panel PC: IP66 |
| Reagent Requirements: | Keep refrigerated. |
| Št. vzorca: | 1 stream |
| Temperatura okolja: | 10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing) |
| Temperatura vzorca: | 10 - 30 °C |
| Teža: | 25 kg |
| Umeritev: | Automatic, 2-point; frequency freely programmable |
| Validation: | Automatic; frequency freely programmable |
| Vzorec: tlak: | By external overflow vessel |