



EZ1004 Boron B(III) Analyser

Kat. číslo produktu: EZ1004.XXXXXXXXXX
CZK Cena bez DPH: Kontaktujte nás

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 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 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

Technické údaje

Alarm:	1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Analogové výstupy:	Active 4 - 20 mA max. 500 Ohm load, standard 1, max. 8 (option)
Automatické čištění:	Ano
Certifikace:	CE compliant / ETL certified
Demineralised water:	For rinsing / dilution
Digitální výstupy:	Optional: Modbus (TCP/IP, RS485)
Doba cyklu :	15 min (dilution + 5 min.)
Earth connection:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm ²
Hmotnost:	25 kg

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.
Jaký je obsah balení:	EZ1004 Boron Analyser, Instruction Manual, 1 x Double Door Bit Key, 1 x Mounting Brackets, 1 x empty 5L Reagent Container with Fittings (for Buffer Solution) and 1 x empty Plastic Dark 5L Container with Fittings (for Colour Solution)
Kalibrace:	Automatic, 2-point; frequency freely programmable
Materiál:	Hinged part: Thermoform ABS, door: PMMA
	Wall section: galvanised steel, powder coated
Metoda měření:	Colorimetric measurement at 405 nm using Azomethine-H
Mez detekce:	100 µg/L
Napájení:	100 - 240 VAC, 50/60 Hz
	Max. power consumption: 120 VA
Odtok:	Atmospheric pressure, vented, min. Ø 32 mm
Okolní teplota:	10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)
Parametr:	Boron B(III), dissolved
Počet proudů vzorku:	1, 2, 4, or 8
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
Přístroj:	EZ1004
Průtoková rychlost:	100 - 300 mL/min
Reagent Requirements:	Keep refrigerated.
Rozměry (V x Š x H):	690 mm x 465 mm x 330 mm
Rozsah měření:	Standard Range: 200 - 2000 µg/L
	Optional:
	50 - 500 µg/L (25% of Standard Range)
	100 - 1000 µg/L (50% of Standard Range)
	1000 - 10000 µg/L (with 5x internal dilution)
	2000 - 20000 µg/L (with 10x internal dilution)
	5000 - 50000 µg/L (with 25x internal dilution)
Teplota vzorku:	10 - 30 °C
Tlak vzorku:	By external overflow vessel
Třída ochrany:	Protection class: Analyser cabinet: IP44 / Panel PC: IP65
Validation:	Automatic; frequency freely programmable
Záruka:	24 měsíců
Zdroj napájení:	100 - 240 VAC, 50/60 Hz

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