



Be Right™



## EZ1001sc Aluminium Colorimetric Analyser, 1 stream, 4x mA Output

**Proizvod #:** EZ1001.9800140T  
**EUR Cijena:** Kontaktirajte nas  
Nije prikazan datum isporuke

### Reliable, Scalable Systems Designed for Peak Performance

The EZ1001sc Aluminum Analyser is designed to simplify the monitoring of Aluminum levels in water, offering seamless integration with the SC4500 Controller for greater control and flexibility. This system provides accurate, real-time aluminum measurements for both industrial and municipal applications, helping prevent process inefficiencies, reducing downtime, and ensuring compliance with water quality standards.

#### Key Features

##### Flexible Customisation

The EZ1001sc Aluminum Analyser is engineered to adapt as your operations grow. The standard Analyser supports a single stream and 4 mA outputs, but can be expanded to manage up to 8 streams and 8 mA outputs. It connects easily with Modbus RTU, Modbus TCP/IP, Profinet, Profibus DP, and Ethernet/IP, making integration with your existing systems straightforward. Whether you need precise monitoring or routine measurement, this Analyser fits a wide range of water quality applications.

##### Reliable and Easy to Use

Built for durability and ease of operation, the EZ1001sc Aluminum Analyser features an intuitive interface and dependable performance. Its user-friendly design reduces operational complexity, requiring minimal training while delivering consistent, accurate results. Quick setup and robust construction ensure long-term reliability and smooth day-to-day operation.

##### Explore Tailored Solutions

Every water monitoring process has unique requirements, and the EZ1001sc Aluminum Analyser can be tailored to address your specific needs. Connect with our team to discuss how this Analyser can be configured to support your operational goals and deliver confidence in your water quality management.

##### Trusted Equipment for Critical Operations

The EZ sc Series combines robust engineering with high-quality materials to ensure reliability 24/7. Designed for long-term performance, EZ sc Series minimises breakdowns and supports sustained operational success.

##### Scalable Solutions for Growing Needs

Built to evolve alongside your needs, online analysers from the EZ sc Series offer adaptable parameters and easier integration. They ensure your facility remains future proof without requiring expensive upgrades. Easily adjust parameter testing ranges and expand sample streams to accommodate innovation and growth.

##### Real-Time Data for Faster Decisions

The EZ sc Series offers advanced connectivity and real-time monitoring, delivering immediate access to actionable insights. Facilities utilising this technology benefit from improved reaction times, empowering more informed decision-making and quicker responses during critical situations.

### **Simplified Troubleshooting with Expert Support**

Built-in diagnostics combined with secure remote data access make the EZ sc Series simplify issue resolution. Supported by a highly responsive team of experts, it ensures uninterrupted functionality and minimizes operational downtime. By addressing and identifying issues early, EZ sc Series of online analysers helps prevent costly disruptions and repairs while maintaining system efficiency

### **Clear Workflows for Predictable Outcomes**

Standardised tools and guided workflows ensure consistent implementation and operation. The EZ sc Series minimises miscommunication, sets clear expectations, and reduces process inconsistencies, driving greater efficiency.

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## **Specifikacije**

Analogni izlazi:	Active 0 - 20 mA (or 4 - 20 mA) max. 500 Ohm load, standard: 4, optional: 8
Automatsko čišćenje:	Yes; Frequency freely programmable: 6 hours, 12 hours, daily, weekly
Broj uzoraka:	Standard: 1  Optional accessory for 2, 4, or 8 sample streams
Certificiranja:	CE, ETL certified to UL and CSA safety standards, UKCA
Demineralised water:	Internal dilution option: Rinse water & Dilution water
Digital outputs:	Profibus DP or Modbus RTU
Dimenzije (V x Š x D):	688 mm x 460 mm x 340 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:	No Dilution  0.005 - 0.15 mg/L Al: 0.005 mg/L  0.005 - 0.3 mg/L Al: 0.005 mg/L  Internal Dilution  0.025 - 1.5 mg/L Al: 0.025 mg/L  0.05 - 3 mg/L Al: 0.05 mg/L  0.125 - 7.5 mg/L Al: 0.125 mg/L  0.25 - 15 mg/L Al: 0.25 mg/L
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air. Used to flush the instrument in corrosive environment. Min. 0.2 bar - Max. 0.5 bar
Interferencija :	No significant interference from fluoride (F <sup>-</sup> ) and iron (Fe <sup>3+</sup> ) at concentrations <1 mg/L (standard range). Large quantities of color and turbidity interfere. Fats, oil, proteins, surfactants and tar interfere.
Izlaz :	Optional: Claros Ethernet connection and Modbus TCP/IP Ethernet connector; LAN version; 10/100 Mbps or Profinet or Ethernet IP
Kalibracija:	Automatic; 2-point; Frequency freely programmable: 6 hours, 12 hours, daily, weekly. Note: manufacturer recommends that a calibration is done when the reagents are replaced
Kivete:	No Dilution  Default: 10 min.  Continuous: 10 min.

	Internal Dilution
	Default: 15 min.
	Continuous: 13 min.
Klasa zaštite:	IP44
Kvaliteta uzorka:	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Masa:	Max. 35 kg
Materijal:	Hinged part: Thermoform ABS, door: PMMA
	Wall section: Galvanised steel, powder coated
Mjerna metoda:	Pyrocatechol violet colorimetric method
Mjerni rang:	No Dilution
	0.005 - 0.15 mg/L Al
	0.005 - 0.3 mg/L Al
	Internal Dilution
	0.025 - 1.5 mg/L Al
	0.05 - 3 mg/L Al
	0.125 - 7.5 mg/L Al
	0.25 - 15 mg/L Al
Napajanje:	100 - 240 VAC, 50/60 Hz
	Max. power consumption: 120 VA
Odvod:	Atmospheric pressure, vented, min. Ø 32 mm
Parametar:	Aluminium (Al III), dissolved
Precision:	Better than 2% full scale range for standard test solutions
Protok uzorka:	100 - 300 mL/min
Reagent Requirements:	Keep between 10 - 30 °C
Releji:	5 contacts, not user configurable: Malfunction, maintenance, analysis ready, sample ready, sample ready (EZ9150)
Što je u pretincu:	EZ1001sc Aluminium Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets and 3 x empty 2.5 L Reagent Containers with Fittings (for Mixed Reagent, Colour and Buffer Solution)
Temperatura prostora:	10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)
Temperatura uzorka:	5 - 30 °C
Uzorak: tlak:	By external overflow vessel (open to atmospheric pressure)
Validation:	Automatic; Frequency freely programmable: 6 hours, 12 hours, daily, weekly

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