



Be Right™



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

**Kat. číslo produktu:** EZ1001.9800140T

EUR Cena bez DPH:

Kontaktujte nás

Dátum odoslania neuvedené

### 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.

---

## **Technické údaje**

Analógové výstupy:	Active 0 - 20 mA (or 4 - 20 mA) max. 500 Ohm load, standard: 4, optional: 8
Automatické čistenie:	Yes; Frequency freely programmable: 6 hours, 12 hours, daily, weekly
Č. prúdov vzoriek:	Standard: 1  Optional accessory for 2, 4, or 8 sample streams
Certifikácia:	CE, ETL certified to UL and CSA safety standards, UKCA
Demineralised water:	Internal dilution option: Rinse water & Dilution water
Detekčný limit:	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
Digitálne výstupy:	Profibus DP or Modbus RTU
Doba cyklu :	No Dilution  Default: 10 min.  Continuous: 10 min.  Internal Dilution  Default: 15 min.  Continuous: 13 min.
Earth connection:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm <sup>2</sup>
Hmotnosť:	Max. 35 kg
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
Interferencie:	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.

Kalibrácia:	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
Kvalita vzorky:	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Materiál:	Hinged part: Thermoform ABS, door: PMMA
	Wall section: Galvanised steel, powder coated
Metóda merania:	Colorimetric measurement using pyrocatechol violet method at 578 nm
Napájanie:	100 - 240 VAC, 50/60 Hz
	Max. power consumption: 120 VA
Obsah balenia:	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)
Odtok:	Atmospheric pressure, vented, min. Ø 32 mm
Parameter:	Aluminium (Al III), dissolved
Presnosť:	Better than 2% full scale range for standard test solutions
Reagent Requirements:	Keep between 10 - 30 °C
Relé:	5 contacts, not user configurable: Malfunction, maintenance, analysis ready, sample ready, sample ready (EZ9150)
Rozmery (V x Š x H):	688 mm x 460 mm x 340 mm
Rozsah merania:	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
Rýchlosť prietoku vzorky:	100 - 300 mL/min
Teplota prostredia:	10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)
Teplota vzorky:	5 - 30 °C
Trieda ochrany:	IP44
Validation:	Automatic; Frequency freely programmable: 6 hours, 12 hours, daily, weekly
Výstup:	Optional: Claros Ethernet connection and Modbus TCP/IP Ethernet connector; LAN version; 10/100 Mbps or Profinet or Ethernet IP
Vzorka: tlak:	By external overflow vessel (open to atmospheric pressure)
Záruka:	24 mesiacov

---

## Obsah balenia

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)