



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

Продукт №: EZ1001.9800140T
EUR Цена: Свържете се с нас
Не е показана дата на доставка

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.

Спецификации

Demineralised water:	Internal dilution option: Rinse water & Dilution water
Digital outputs:	Profibus DP or Modbus RTU
Earth connection:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm ²
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
Precision:	Better than 2% full scale range for standard test solutions
Reagent Requirements:	Keep between 10 - 30 °C
Validation:	Automatic; Frequency freely programmable: 6 hours, 12 hours, daily, weekly
Автоматично почистване:	Yes; Frequency freely programmable: 6 hours, 12 hours, daily, weekly
Аналогови изходи:	Active 0 - 20 mA (or 4 - 20 mA) max. 500 Ohm load, standard: 4, optional: 8
Бр. потоци проби:	Standard: 1 Optional accessory for 2, 4, or 8 sample streams
Гаранция:	24 месеца
Граница на откриваемост:	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
Дренаж:	Atmospheric pressure, vented, min. Ø 32 mm
Захранване:	100 - 240 VAC, 50/60 Hz Max. power consumption: 120 VA
Измерване метод:	Pyrocatechol violet colorimetric method
Измерване, диапазон:	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
Изход:	Optional: Claros Ethernet connection and Modbus TCP/IP Ethernet connector; LAN version; 10/100 Mbps or Profinet or Ethernet IP
Какво има в кутията:	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)
Калибриране:	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
Клас на защита:	IP44
Кювети за проба:	No Dilution
	Default: 10 min.
	Continuous: 10 min.
	Internal Dilution
	Default: 15 min.
	Continuous: 13 min.
Материал:	Hinged part: Thermoform ABS, door: PMMA
	Wall section: Galvanised steel, powder coated
Околна температура:	10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)
Параметър:	Aluminium (Al III), dissolved
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 (open to atmospheric pressure)
Размери (В x Ш x Д):	688 мм x 460 мм x 340 мм
Релета:	5 contacts, not user configurable: Malfunction, maintenance, analysis ready, sample ready, sample ready (EZ9150)
Сертификати:	CE, ETL certified to UL and CSA safety standards, UKCA
Смущения:	No significant interference from fluoride (F ⁻) and iron (Fe ³⁺) at concentrations <1 mg/L (standard range). Large quantities of color and turbidity interfere. Fats, oil, proteins, surfactants and tar interfere.
Тегло:	Max. 35 kg
Температура на проба:	5 - 30 °C

Какво има в кутията

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)