



Be Right™



EZ2709sc Total Chromium Colorimetric Analyser, 1 stream, 4x mA Output

Product #: EZ2709.970B140T

AED Price: Contact Hach

Reliable, Scalable Systems Designed for Peak Performance

The EZ2709sc Total Chromium Analyser, with the advanced SC4500 Controller, provides precise and reliable chromium measurements for improving industrial and wastewater treatment processes. Designed to tackle inefficiencies, ensure regulatory compliance, and fit into existing workflows, the EZ2709sc simplifies process monitoring with dependable results.

Key Features

Flexible Customisation

Adapt the EZ2709sc Total Chromium Analyser to meet your operational requirements. Its standard configuration includes 1 stream and 4x mA outputs, but it can be modified to handle up to 8 streams and 8x mA outputs, offering scalability for more complex applications. With connectivity options such as Modbus RTU, Modbus TCP/IP, Profibus DP, and Ethernet/IP, this Analyser supports seamless integration into diverse system infrastructures for smooth, efficient monitoring.

Reliable and Easy to Use

Designed to perform in demanding environments, the EZ2709sc Total Chromium Analyser ensures consistent, high-accuracy chromium analysis with minimal maintenance. Its intuitive interface and user-friendly approach make setup and operation straightforward, reducing potential errors. Built for long-term durability, this Analyser enables continuous operation, minimising downtime and enhancing overall efficiency.

Explore Tailored Solutions

Each facility has unique needs, and the EZ2709sc Total Chromium Analyser is built with that flexibility in mind. Contact us today to discover how this customisable solution can help optimise your processes, improve efficiency, and ensure confident compliance with your specific requirements.

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 minimises 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.

Specifications

Ambient temperature:	10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)
Analogue outputs:	Active 0 - 20 mA (or 4 - 20 mA) max. 500 Ohm load, standard: 4, optional: 8
Automatic cleaning:	Yes; Frequency freely programmable: 6 hours, 12 hours, daily, weekly
Calibration:	Automatic; 2-point; offset or slope; Frequency freely programmable: 6 hours, 12 hours, daily, weekly. Note: manufacturer recommends that a calibration is done when the reagents are replaced
Certifications:	CE, ETL certified to UL and CSA safety standards, UKCA
Cycle Time:	No Dilution Default: 45 min. Continuous: 34 min. Internal Dilution Default: 45 min. Continuous: 38 min.
Demineralised water:	Internal dilution option: Rinse water & Dilution water
Detection limit:	No Dilution 0.005 - 0.5 mg/L Cr(T): 0.005 mg/L Internal Dilution 0.025 - 2.5 mg/L Cr(T): 0.025 mg/L
Digital outputs:	Profibus DP or Modbus RTU
Dimensions (H x W x D):	688 mm x 460 mm x 340 mm
Drain:	Atmospheric pressure, vented, min. Ø 32 mm
Earth connection:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm ²
Flow rate:	100 - 300 mL/min
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
Interferences:	Iron (III) [(Fe) ³⁺], mercury [(Hg) ²⁺] > 200 mg/L, molybdenum [(Mo) ²⁺] > 200 mg/L, vanadium (V) [(V) ⁵⁺] > 5 mg/L, Alkalinity (CaCO ₃) > 1000 mg/L, COD (O ₂) > 500 mg/L. Large amounts of color and turbidity interfere. Fats, oil, proteins, surfactants and tar.
IP Rating:	IP44
Material:	Hinged part: Thermoform ABS, door: PMMA Wall section: Galvanised steel, powder coated

Measurement method:	Diphenylcarbazide colorimetric method
Measuring range:	No Dilution 0.005 - 0.5 mg/L Cr(T) Internal Dilution 0.025 - 2.5 mg/L Cr(T)
Model:	EZ2709sc
Number of sample streams:	Standard: 1 Optional accessory for 2, 4, or 8 sample streams
Output:	Optional: Claros Ethernet connection and Modbus TCP/IP Ethernet connector; LAN version; 10/100 Mbps or Profinet or Ethernet IP
Parameter:	Chromium, total
Power:	230 VAC, 50/60 Hz 120 VAC, 50/60 Hz Max. power consumption: 240 VA
Precision:	Better than 2% full scale range for standard test solutions
Protection class:	IP44
Reagent Requirements:	Keep color between 5 - 10 °C, all other between 10 - 30 °C
Relays:	5 contacts, not user configurable: Malfunction, maintenance, analysis ready, sample ready, sample ready (EZ9150)
Sample pressure:	By external overflow vessel (open to atmospheric pressure)
Sample quality:	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Sample temperature:	10 - 30 °C
Validation:	Automatic; Frequency freely programmable: 6 hours, 12 hours, daily, weekly
Warranty:	24 months
Weight:	Max. 35 kg
What's included?:	EZ2709sc Total Chromium Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 3 x empty 2.5 L Reagent Containers with Fittings (for Acid, Persulphate & Buffer Solution) and 1 x empty 2.5 L Glass Reagent Container with Fittings (for Colour Solution)

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