



Be Right™



## EZ3505sc Chloride Ion-Selective Electrode (ISE) Standard Addition Analyser, 1 stream, 4x mA

Αρ. προϊόντος: EZ3505.9800140T

EUR Τιμή: Επικοινωνήστε μαζί μας  
Δεν εμφανίζεται η ημερομηνία αποστολής

### Accurate Chloride Measurement in Variable Water Matrices

Changing water matrices, fouling and interferences can make chloride ISE measurements unstable. The EZ3505sc combines discontinuous ISE analysis with a standard addition method to compensate for matrix effects and deliver repeatable chloride results - even when sample conditions shift. Automated operation reduces manual calibration and sensor maintenance while supporting treatment efficiency and regulatory compliance.

Monitor up to eight sample streams from one analyser to reduce footprint and infrastructure cost. Standard analog and digital communications integrate easily with existing plant networks for real-time data, diagnostics and faster decisions.

#### Benefits:

- Standard addition compensates for interferences in variable matrices
- Discontinuous ISE analysis delivers stable, repeatable chloride results
- Reduces manual calibration and sensor maintenance
- Multi-stream capability: up to 8 sample points per analyser
- Easy integration via common analog/digital protocols

#### Advanced Standard Addition Technology

Ensure reliable data accuracy with advanced discontinuous and standard addition modes. This feature automatically compensates for interferences, delivering precise results even in complex or changing water conditions. Avoid compliance risks caused by inconsistent or unreliable measurements.

#### Designed for Low-Maintenance Operation

Frequent manual calibration and sensor cleaning increase maintenance effort and downtime. The EZ3505sc employs discontinuous and automated standard addition modes to compensate for matrix effects, stabilise potentiometric response, reduce reagent consumption, and maximise analyser uptime for reliable chloride monitoring.

#### Seamless System Integration

Isolated data silos hinder effective plant management. Featuring standard analogue and digital communication protocols, this analyser integrates easily into existing plant networks. Real-time visibility ensures you can make informed decisions quickly based on current process conditions.

#### Cost-Effective Scalability

Monitoring multiple sample points traditionally requires significant capital investment. This system supports multi-stream functionality, allowing a single unit to analyse up to 8 sample streams. You gain comprehensive process insight while optimising infrastructure costs and reducing equipment footprint.

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## Προδιαγραφές

Demineralised water:	Internal dilution option: Rinse water and Dilution water
Digital outputs:	Relays: 5 contacts, not user configurable: Malfunction, maintenance, analysis ready, sample ready, sample ready (EZ9150)
	Ethernet Connections: Optional: Claros Ethernet connection and Modbus TCP/IP Ethernet connector; LAN version; 10/100 Mbps or Profinet or Ethernet IP
	RS485 communication: Profibus DP or Modbus RTU
Earth connection:	Earth connection Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm <sup>2</sup>
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
Αναλογικές έξοδοι:	Active 0 - 20 mA (or 4 - 20 mA) max. 500 Ohm load, standard 4, optional: 8
Αποστράγγιση :	Atmospheric pressure, vented, min. Ø 32 mm
Αριθμ. Ροών δείγματος :	Standard: 1  Optional accessory for 2, 4, or 8 sample streams
Αυτόματος καθαρισμός :	Yes; Frequency freely programmable: 6 hours, 12 hours, daily, weekly
Βαθμονόμηση :	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
Βαθμός προστασίας:	IP44
Βάρος :	Max. 35 kg
Δείγμα: πίεση:	By external overflow vessel (open to atmospheric pressure)
Διαστάσεις (ΥxΠxB):	688 mm x 460 mm x 340 mm
Εγγύηση :	24 μήνες
Εύρος μέτρησης :	No dilution  2 - 100 mg/L Cl <sup>-</sup>  5 - 250 mg/L Cl <sup>-</sup>  10 - 500 mg/L Cl <sup>-</sup>  20 - 1000 mg/L Cl <sup>-</sup>  Internal dilution  100 - 5000 mg/L Cl <sup>-</sup>  200 - 10000 mg/L Cl <sup>-</sup>
Θερμοκρασία Δείγματος:	10 - 30 °C
Θερμοκρασία περιβάλλοντος :	10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)

Μέθοδος μέτρησης :	Discontinuous, direct measurement by combined Ion-Selective Electrode with standard addition
Όριο ανίχνευσης :	No dilution
	2 - 100 mg/L Cl <sup>-</sup> : 2 mg/L
	5 - 250 mg/L Cl <sup>-</sup> : 5 mg/L
	10 - 500 mg/L Cl <sup>-</sup> : 10 mg/L
	20 - 1000 mg/L Cl <sup>-</sup> : 20 mg/L
	Internal dilution
	100 - 5000 mg/L Cl <sup>-</sup> : 100 mg/L
	200 - 10000 mg/L Cl <sup>-</sup> : 200 mg/L
Παράμετρος :	Chloride
Παρεμποδίσεις :	Bromide [(Br)-], sulphide [(S) <sup>2-</sup> ], iodide [(I)-], cyanide [(CN)-] ions may interfere. Mercury [(Hg)+] must be absent. Ammonia [NH <sub>3</sub> ] and thiosulphate [(S <sub>2</sub> O <sub>3</sub> ) <sup>2-</sup> ] may interfere. Fats, oil, proteins, surfactants and tar.
Πιστοποιήσεις :	CE, ETL certified to UL and CSA safety standards, UKCA
Ποιότητας δείγματος :	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Ρυθμός ροής δείγματος :	100 - 300 mL/min
Τι περιέχει το καλάθι:	EZ3505sc Chloride Ion-Selective Electrode (ISE) Standard Addition Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 1 x ISE Electrode and Chloride Electrode, combined, and 2 x empty 5L Reagent Containers with Fittings (for Buffer and Standard Cl Solution)
τροφοδοσία :	100 - 240 VAC, 50/60 Hz
	Max. power consumption: 120 VA
Υλικό :	Hinged part: Thermoform ABS, Door: PMMA
	Wall section: Galvanised steel, powder coated
Χρόνος κύκλου:	No dilution
	Default: 5 minutes
	Continuous: 4 minutes
	Internal dilution
	Default: 10 minutes
	Continuous: 7 minutes

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