



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

de producto: EZ3505.9700140T
USD Precio: Contacto Hach Chile

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.

Especificaciones

Agua de refrigeración:	Caudal aprox. 5 L/h; temperatura máx. 30 °C; presión máx. 0,5 bar
Agua desmineralizada:	Internal dilution option: Rinse water and Dilution water
Aire de instrumentación:	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
Alimentación:	100 - 240 VAC, 50/60 Hz Max. power consumption: 120 VA
Calibración:	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
Calidad de muestra:	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Caudal de muestra:	100 - 300 mL/min
Certificaciones:	CE, ETL certified to UL and CSA safety standards, UKCA
Conexión a tierra:	Earth connection Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm ²
Contenido de la caja:	Analizador de electrodo selectivo de iones (ISE) de cloruro EZ3505sc con adición de patrón, manual de instrucciones, 1 llave de puerta de armario, 1 set de soportes de montaje, 1 electrodo ISE de cloruro, y 2 recipientes de reactivos vacíos de 5 L con conectores (para solución Cl estándar y tampón)
Dimensiones (A x A x P):	688 mm x 460 mm x 340 mm
Drenaje:	Atmospheric pressure, vented, min. Ø 32 mm
Garantía:	12 meses
Grado de protección:	IP44
Interferencias:	Bromide [(Br)-], sulphide [(S) ²⁻], iodide [(I)-], cyanide [(CN)-] ions may interfere. Mercury [(Hg)+] must be absent. Ammonia [NH ₃] and thiosulphate [(S ₂ O ₃) ²⁻] may interfere. Fats, oil, proteins, surfactants and tar.
Límite de detección (LOD):	No dilution 2 - 100 mg/L Cl ⁻ : 2 mg/L 5 - 250 mg/L Cl ⁻ : 5 mg/L 10 - 500 mg/L Cl ⁻ : 10 mg/L 20 - 1000 mg/L Cl ⁻ : 20 mg/L Internal dilution 100 - 5000 mg/L Cl ⁻ : 100 mg/L 200 - 10000 mg/L Cl ⁻ : 200 mg/L
Limpieza automática:	Sí; frecuencia programable a voluntad: cada 6 horas, cada 12 horas, diariamente, semanalmente
Material:	Hinged part: Thermoform ABS, Door: PMMA Wall section: Galvanised steel, powder coated
Método de medición:	Discontinuous, direct measurement by combined Ion-Selective Electrode with standard addition
Método de medida:	Ion-Selective Electrode (standard addition)

Número de corrientes de muestra:	Standard: 1
	Optional accessory for 2, 4, or 8 sample streams
Parámetro:	Chloride
Peso:	Max. 35 kg (77 lb)
Precisión:	Better than 2% full scale range for standard test solutions
Presión de muestra:	By external overflow vessel (open to atmospheric pressure)
Rango de medición:	No dilution
	2 - 100 mg/L Cl ⁻
	5 - 250 mg/L Cl ⁻
	10 - 500 mg/L Cl ⁻
	20 - 1000 mg/L Cl ⁻
	Internal dilution
	100 - 5000 mg/L Cl ⁻
	200 - 10000 mg/L Cl ⁻
Requisitos de los reactivos:	Keep between 10 - 30 °C
Salidas analógicas:	Active 0 - 20 mA (or 4 - 20 mA) max. 500 Ohm load, standard 4, optional: 8
Salidas digitales:	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
Temperatura ambiente:	10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)
Temperatura de la muestra:	10 - 30 °C (50 - 86 °F)
Tiempo de ciclo:	No dilution
	Default: 5 minutes
	Continuous: 4 minutes
	Internal dilution
	Default: 10 minutes
	Continuous: 7 minutes
Validación:	Automatic; Frequency freely programmable: 6 hours, 12 hours, daily, weekly

Contenido de la caja

Analizador de electrodo selectivo de iones (ISE) de cloruro EZ3505sc con adición de patrón, manual de instrucciones, 1 llave de puerta de armario, 1 set de soportes de montaje, 1 electrodo ISE de cloruro, y 2 recipientes de reactivos vacíos de 5 L con conectores (para solución Cl estándar y tampón)