



## **EZ3508sc Fluoride Ion-Selective Electrode (ISE) Standard Addition Analyser, 1 stream, 4x mA**

**# de producto:** EZ3508.9700140T  
**USD Precio:** Contacto Hach Chile

### **Reliable Fluoride Measurement in Complex Water Matrices**

Fluoride measurement in wastewater and industrial process water can be distorted by matrix effects from ions such as calcium and aluminum. The EZ3508sc uses a standard addition method to compensate for these interferences, delivering accurate, repeatable fluoride results while minimising reagent consumption.

Designed for reliable operation, gel-filled ISE electrodes eliminate electrolyte refilling and automated cleaning and calibration reduce hands-on maintenance. Digital communication protocols integrate the analyser into your network for immediate access to results, diagnostics and status.

#### **Benefits:**

- Standard addition compensates for matrix effects in complex samples
- Accurate, repeatable fluoride results with low reagent consumption
- Gel-filled ISE electrodes eliminate electrolyte refilling
- Automated cleaning and calibration reduce manual service
- Digital connectivity for fast access to results, diagnostics and status

#### **Consistent Results in Challenging Conditions**

Fluctuating water quality often compromises conventional monitoring, leading to unstable readings. The EZ3508sc uses discontinuous and standard addition modes to compensate for these matrix interferences. You get accurate, continuous fluoride data for stable process control, even as conditions change.

#### **Reduced Maintenance and Manual Effort**

Gel-filled ion selective electrodes eliminate electrolyte refilling, while automated cleaning and calibration reduce routine service needs. Discontinuous standard addition method optimises buffer and reagent consumption; lowering site visits, operating costs, and overall maintenance effort.

#### **Seamless Integration and Connectivity**

Isolated data makes process control and reporting difficult. The integrated controller platform supports standard digital communication protocols for easy connection to your existing network. You gain immediate access to critical insights, supporting faster decision-making and remote troubleshooting.

#### **Streamlined Operation and Usability**

Complex instrumentation often leads to training bottlenecks and operational errors. The unified controller interface simplifies setup and daily interaction. Operators of any experience level can easily manage the system, reducing training requirements and preventing errors during routine checks.

## 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 <sup>2</sup>
Contenido de la caja:	EZ3508sc Fluoride Ion-Selective Electrode (ISE) Standard Addition Analyser, 1 stream, 4x mA, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 1 x ISE Electrode, 1 x empty 5L Reagent Container with Fittings (for F Standard Solution) and 1 x empty 10L Reagent Container with Fittings (for Buffer Solution)
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:	Metal ions like aluminium [(Al) <sup>3+</sup> ] > 72 mg/L, calcium [(Ca) <sup>2+</sup> ] > 108 mg/L and iron [(Fe) <sup>2+</sup> / (Fe) <sup>3+</sup> ] > 150 mg/L. Fats, oil, proteins, surfactants and tar.
Límite de detección (LOD):	No dilution  0.2 - 10 mg/L F <sup>-</sup> : 0.2 mg/L  0.5 - 25 mg/L F <sup>-</sup> : 0.5 mg/L  1 - 50 mg/L F <sup>-</sup> : 1 mg/L  2 - 100 mg/L F <sup>-</sup> : 2 mg/L  Internal dilution  10 - 500 mg/L F <sup>-</sup> : 10 mg/L  20 - 1000 mg/L F <sup>-</sup> : 20 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 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:	Fluoride

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
	0.2 - 10 mg/L F <sup>-</sup>
	0.5 - 25 mg/L F <sup>-</sup>
	1 - 50 mg/L F <sup>-</sup>
	2 - 100 mg/L F <sup>-</sup>
	Internal dilution
	10 - 500 mg/L F <sup>-</sup>
	20 - 1000 mg/L F <sup>-</sup>
Requisitos de los reactivos:	Keep between 10 - 30 °C (50 - 86 °F)
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: 5 minutes
	Internal dilution
	Default: 10 minutes
	Continuous: 8 minutes
Validación:	Automatic; Frequency freely programmable: 6 hours, 12 hours, daily, weekly

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## Contenido de la caja

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