



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

Produktnr: EZ3508.9800140T
SEK Pris: Kontakta oss
Inget leveransdatum anges

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.

Specifikationer

Analoga utgångar:	Active 0 - 20 mA (or 4 - 20 mA) max. 500 Ohm load, standard 4, optional: 8
Antal provströmmar:	Standard: 1 Optional accessory for 2, 4, or 8 sample streams
Automatisk rengöring:	Yes; Frequency freely programmable: 6 hours, 12 hours, daily, weekly
Certifieringar :	CE, ETL certified to UL and CSA safety standards, UKCA
Cykeltid:	No dilution Default: 5 minutes Continuous: 5 minutes Internal dilution Default: 10 minutes Continuous: 8 minutes
Demineralised water:	Internal dilution option: Rinse water and Dilution water
Detektionsgräns:	No dilution 0.2 - 10 mg/L F ⁻ : 0.2 mg/L 0.5 - 25 mg/L F ⁻ : 0.5 mg/L 1 - 50 mg/L F ⁻ : 1 mg/L 2 - 100 mg/L F ⁻ : 2 mg/L Internal dilution 10 - 500 mg/L F ⁻ : 10 mg/L 20 - 1000 mg/L F ⁻ : 20 mg/L
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
Dimension (H x B x D):	688 mm x 460 mm x 340 mm
Dränering:	Atmospheric pressure, vented, min. Ø 32 mm
Earth connection:	Earth connection Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm ²
Garanti :	24 månader
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
Kalibrering:	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
Material:	Hinged part: Thermoform ABS, Door: PMMA

	Wall section: Galvanised steel, powder coated
Mätmetod:	Ion-Selective Electrode (standard addition)
Matningsspänning:	100 - 240 VAC, 50/60 Hz
	Max. power consumption: 120 VA
Mätområde:	No dilution
	0.2 - 10 mg/L F ⁻
	0.5 - 25 mg/L F ⁻
	1 - 50 mg/L F ⁻
	2 - 100 mg/L F ⁻
	Internal dilution
	10 - 500 mg/L F ⁻
	20 - 1000 mg/L F ⁻
Omgivningstemperatur:	10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)
Parameter:	Fluoride
Precision:	Better than 2% full scale range for standard test solutions
Prov: tryck:	By external overflow vessel (open to atmospheric pressure)
Provflödes hastighet:	100 - 300 mL/min
Provkvalitet:	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Provtemperatur:	10 - 30 °C
Reagent Requirements:	Keep between 10 - 30 °C
Skyddsklass:	IP44
Störningar:	Metal ions like aluminium [(Al) ³⁺] > 72 mg/L, calcium [(Ca) ²⁺] > 108 mg/L and iron [(Fe) ²⁺ / (Fe) ³⁺] > 150 mg/L. Fats, oil, proteins, surfactants and tar.
Vad ingår i leveransen:	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)
Validation:	Automatic; Frequency freely programmable: 6 hours, 12 hours, daily, weekly
Vikt :	Max. 35 kg

Vad finns i förpackningen

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