



Be Right™



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

Kat. číslo produktu: EZ3508.9800140T
EUR Cena bez DPH: Kontaktujte nás
Dátum odoslania neuvedené

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.

Technické údaje

Analógové výstupy:	Active 0 - 20 mA (or 4 - 20 mA) max. 500 Ohm load, standard 4, optional: 8
Automatické čistenie:	Yes; Frequency freely programmable: 6 hours, 12 hours, daily, weekly
Č. prúdov vzoriek:	Standard: 1 Optional accessory for 2, 4, or 8 sample streams
Certifikácia:	CE, ETL certified to UL and CSA safety standards, UKCA
Demineralised water:	Internal dilution option: Rinse water and Dilution water
Detekčný limit:	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
Digitálne výstupy:	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
Doba cyklu :	No dilution Default: 5 minutes Continuous: 5 minutes Internal dilution Default: 10 minutes Continuous: 8 minutes
Earth connection:	Earth connection Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm ²
Hmotnosť:	Max. 35 kg
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
Interferencie:	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.
Kalibrácia:	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
Kvalita vzorky:	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Materiál:	Hinged part: Thermoform ABS, Door: PMMA

Metóda merania:	Wall section: Galvanised steel, powder coated
Napájanie:	Discontinuous measurement by combined Ion-Selective Electrode with standard addition 100 - 240 VAC, 50/60 Hz
Odtok:	Max. power consumption: 120 VA Atmospheric pressure, vented, min. Ø 32 mm
Parameter:	Fluoride
Presnosť:	Better than 2% full scale range for standard test solutions
Reagent Requirements:	Keep between 10 - 30 °C
Rozmery (V x Š x H):	688 mm x 460 mm x 340 mm
Rozsah merania:	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 ⁻
Rýchlosť prietoku vzorky:	100 - 300 mL/min
Teplota prostredia:	10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)
Teplota vzorky:	10 - 30 °C
Trieda ochrany:	IP44
Validation:	Automatic; Frequency freely programmable: 6 hours, 12 hours, daily, weekly
Vzorka: tlak:	By external overflow vessel (open to atmospheric pressure)
Záruka:	24 mesiacov