



## **EZ3008sc Fluoride Ion-Selective Electrode (ISE) Analyser, 1 stream, 4x mA**

**Produktnr:** EZ3008.9800140T  
**SEK Pris:** Kontakta oss  
Inget leveransdatum anges

### **Fluoride Monitoring for Operational Stability**

Stable fluoride control is essential in drinking water and surface-water treatment, but manual sampling can be labor intensive and introduce variability. The EZ3008sc automates fluoride measurement using discontinuous ISE analysis with temperature-controlled readings for dependable, repeatable data. Gel-filled ISE technology eliminates electrolyte refilling, reducing routine service and helping lower total cost of ownership.

With multi-stream capability, optional grab sampling for spot checks, and seamless integration into SCADA/PLC/DCS, the analyser provides continuous results and diagnostics for confident compliance reporting and tighter process control.

#### **Benefits:**

- Temperature-controlled, discontinuous ISE analysis for repeatable fluoride results
- Gel-filled ISE electrodes eliminate electrolyte refilling
- Multi-stream monitoring and optional grab sampling for spot checks
- Reduced maintenance and service interventions
- Integrates with SCADA/PLC/DCS for real-time data and diagnostics

#### **Stable Performance in Changing Conditions**

The EZ3008sc delivers temperature controlled, discontinuous fluoride measurements with multi stream capability. Operators get stable, reliable data during process fluctuations, reducing manual checks and adjustments while maintaining confident day to day water quality control.

#### **Reduced Maintenance and Service Costs**

Designed for long-term operation, the analyser uses gel-filled ion-selective electrodes that eliminate the need for electrolyte refilling. This technology reduces reagent consumption, routine service interventions, maximises analyser uptime, and lowers the total cost of ownership over the instrument's lifetime.

#### **Flexible Connectivity for Legacy and Modern Platforms**

Integrate seamlessly into existing PLC, SCADA, DCS and plant network architectures with a built-in industrial panel PC. Real-time data transmission provides immediate visibility into diagnostics and status, enabling faster responses and improved decision-making across your facility.

#### **Flexible Analysis for Multiple Streams**

Conduct quick spot checks and investigations without interrupting routine monitoring using built-in grab sampling. When combined with the optional 8-channel sample stream, one analyser sequentially measures multiple process points: maximising asset utilization and coverage while simplifying your system architecture.

## 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:	Default: 5 minutes  Continuous: 5 minutes
Demineralised water:	Does not apply
Detektionsgräns:	0.05 - 2.5 mg/L F <sup>-</sup> : 0.05 mg/L  0.1 - 5 mg/L F <sup>-</sup> : 0.1 mg/L  0.2 - 10 mg/L F <sup>-</sup> : 0.2 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 <sup>2</sup>
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; 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:	Discontinuous, direct measurement by combined Ion-Selective Electrode
Matningsspänning:	100 - 240 VAC, 50/60 Hz  Max. power consumption: 120 VA
Mätområde:	0.05 - 2.5 mg/L F <sup>-</sup>  0.1 - 5 mg/L F <sup>-</sup>  0.2 - 10 mg/L F <sup>-</sup>
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) <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.
Vad ingår i leveransen:	EZ3008sc Fluoride Ion-Selective Electrode (ISE) Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 1 x ISE Fluoride Electrode and 1 x empty 2.5L 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

EZ3008sc Fluoride Ion-Selective Electrode (ISE) Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 1 x ISE Fluoride Electrode and 1 x empty 2.5L Reagent Container with Fittings (for Buffer Solution)