



## EZ3507 Fluoride Analyser

**Kat. číslo produktu:** EZ3507.XXXXXXXXXX  
**CZK Cena bez DPH:** Kontaktujte nás

### Online ion-selective Fluoride measurements with standard addition for industrial applications

#### ISE technology for complex water matrices

The EZ3500 Series are used for water monitoring applications where ion-selective electrodes are the preferred analytical technique, but the water matrix is complex. Standard addition helps minimise matrix interferences that otherwise might contribute to the output signal of the electrode.

#### Discontinuous, automatic standard addition

The EZ3500 Series run discontinuous measurements with careful addition of a known standard in an analysis vessel. Discontinuous ISE analysis enhances control over the potentiometry, eliminates cross-contamination between cycles and reduces overall reagent consumption.

The EZ3500 Series combine unique technology with a set of analysis, control and communication features in an industrial analyser mainframe designed for the highest performance:

- Smart automatic features
- Control and communication via industrial panel PC
- Analogue and digital output options
- Multiple stream analysis (up to 8 streams)

There are many additional options available. Please contact Hach for more details.

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### Technické údaje

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|----------------------|-----------------------------------------------------------------------------------------------------|
| Alarm:               | 1x malfunctioning, 4x user-configurable, max. 24 VDC/0.5 A, potential free contacts                 |
| Analogové výstupy:   | Active 4 - 20 mA max. 500 Ohm load, standard 1, max. 8 (option)                                     |
| Automatické čištění: | Ano                                                                                                 |
| Certifikace:         | CE compliant / UL certified                                                                         |
| Demineralised water: | For rinsing                                                                                         |
| Digitální výstupy:   | Optional: Modbus (TCP/IP, RS485)                                                                    |
| Doba cyklu :         | 8 minutes                                                                                           |
| Earth connection:    | Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm <sup>2</sup> |

|                       |                                                                                                                                                                                                                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hmotnost:             | 25 kg                                                                                                                                                                                                                                                                                            |
| Instrument air:       | Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air                                                                                                                                                                                                               |
| Interference :        | Metal ions like aluminium > 72 mg/L, calcium > 108 mg/L and iron > 150 mg/L. Fats, oil, proteins, surfactants and tar.                                                                                                                                                                           |
| Jaký je obsah balení: | EZ3507 Fluoride Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 1 x ISE Electrode and Fluoride Electrode, combined, 1 x empty 5L Reagent Container with Fittings (for F Standard Solution) and 1 x empty 10L Reagent Container with Fittings (for Buffer Solution) |
| Kalibrace:            | Automatic, 2-point; frequency freely programmable                                                                                                                                                                                                                                                |
| Materiál:             | Hinged part: Thermoform ABS, door: PMMA                                                                                                                                                                                                                                                          |
|                       | Wall section: Galvanised steel, powder coated                                                                                                                                                                                                                                                    |
| Metoda měření:        | Discontinuous measurement by combined ion-selective electrode with standard addition                                                                                                                                                                                                             |
| Mez detekce:          | ≤ 0.1 mg/L                                                                                                                                                                                                                                                                                       |
| Napájení:             | 100 - 240 VAC, 50/60 Hz                                                                                                                                                                                                                                                                          |
|                       | Max. power consumption: 120 VA                                                                                                                                                                                                                                                                   |
| Odtok:                | Atmospheric pressure, vented, min. Ø 32 mm                                                                                                                                                                                                                                                       |
| Okolní teplota:       | 10 - 30 °C ±4 °C deviation at 5 - 95% relative humidity (non-condensing)                                                                                                                                                                                                                         |
| Parametr:             | Fluoride                                                                                                                                                                                                                                                                                         |
| Počet proudů vzorku:  | 1, 2, 4 or 8                                                                                                                                                                                                                                                                                     |
| Požadavky na vzorek:  | Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU                                                                                                                                                                                                                                      |
| Přesnost:             | Better than 2% full scale range for standard test solutions                                                                                                                                                                                                                                      |
| Přístroj:             | EZ3507                                                                                                                                                                                                                                                                                           |
| Průtoková rychlost:   | 100 - 300 mL/min                                                                                                                                                                                                                                                                                 |
| Reagent Requirements: | Keep between 10 - 30 °C                                                                                                                                                                                                                                                                          |
| Rozměry (V x Š x H):  | 690 mm x 465 mm x 330 mm                                                                                                                                                                                                                                                                         |
| Rozsah měření:        | 0.5 - 10 mg/L F <sup>-</sup>                                                                                                                                                                                                                                                                     |
|                       | Optional:                                                                                                                                                                                                                                                                                        |
|                       | 0.1 - 2.5 mg/L F <sup>-</sup>                                                                                                                                                                                                                                                                    |
|                       | 0.25 - 5 mg/L F <sup>-</sup>                                                                                                                                                                                                                                                                     |
| Teplota vzorku:       | 10 - 30 °C                                                                                                                                                                                                                                                                                       |
| Tlak vzorku:          | By external overflow vessel                                                                                                                                                                                                                                                                      |
| Třída ochrany:        | Protection class: Analyser cabinet: IP44 / Panel PC: IP65                                                                                                                                                                                                                                        |
| Validation:           | Automatic; frequency freely programmable                                                                                                                                                                                                                                                         |
| Záruka:               | 24 měsíců                                                                                                                                                                                                                                                                                        |
| Zdroj napájení:       | 100 - 240 VAC, 50/60 Hz                                                                                                                                                                                                                                                                          |

## Jaký je obsah balení

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