



## EZ3004 Chloride Analyser

Kat. číslo produktu: **EZ3004.XXXXXXXXXX**  
CZK Cena bez DPH: Kontaktujte nás

### Online ion-selective Chloride measurements in industrial and environmental applications

#### ISE technology for optimal analytical performance

With limited maintenance requirements and reduced reagent consumption, the EZ3000 Series are the ideal choice for a wide range of water monitoring applications where ion-selective electrodes are the preferred analytical technique. Outstanding precision and stability is guaranteed by the temperature-controlled measurement.

#### Direct, discontinuous ISE method

Contrary to separate electrodes or other analysers in the market, the EZ3000 Series does not run a continuous measurement. The principle of discontinuous ISE analysis not only enhances control over conversion of ion activity to electric potential, it also eliminates risk of cross-contamination between cycles and reduces overall consumption of reagents.

The EZ3000 Series combine unique ISE technology with a set of analysis, control and communication features in an industrial analyser mainframe with designed for the highest performance:

- Automatic direct ion-selective measurements
- Smart automatic features
- Control and communication via industrial panel PC
- Standard 4 - 20 mA signal output with alarm processing
- Communication ports supporting connectivity to Modbus
- Multiple stream analysis
- Reduced reagent consumption

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 :          | 5 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 :        | Bromide, sulphide, iodide, cyanide ions may interfere. Mercury must be absent. Ammonia and thiosulphate may interfere. Fats, oil, proteins, surfactants and tar.                                  |
| Jaký je obsah balení: | EZ3004 Chloride Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 1 x ISE Chloride Electrode and 1 x empty 2.5L 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:               | Ionselective                                                                                                                                                                                      |
| Metoda měření:        | Discontinuous, direct measurement by combined ion-selective electrode, conform with standard methods EPA 9212 and ASTM D512-12                                                                    |
| Mez detekce:          | 2.5 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:             | Chloride                                                                                                                                                                                          |
| 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:             | EZ3004                                                                                                                                                                                            |
| 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:        | 10 - 100 mg/L Cl <sup>-</sup>                                                                                                                                                                     |
|                       | Optional:                                                                                                                                                                                         |
|                       | 2.5 - 25 mg/L Cl <sup>-</sup>                                                                                                                                                                     |
|                       | 5 - 50 mg/L Cl <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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