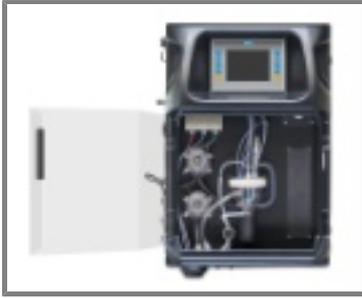




EZ3501 Ammonium Analyser, 1 stream, Modbus RS485

Product #: EZ3501.99001C02
NZD Price (Incl. GST): Contact Hach



Online ion-selective Ammonium 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.

Specifications

| | |
|-------------------------|---|
| Alarm: | 1x malfunctioning, 4x user-configurable, max. 24 VDC/0.5 A, potential free contacts |
| Ambient Temperature: | 10 - 30 °C ±4 °C deviation at 5 - 95% relative humidity (non-condensing) |
| Calibration: | Automatic, 2-point; frequency freely programmable |
| Certifications: | CE compliant / UL certified |
| Cycle Time: | 8 minutes |
| Digital outputs: | Modbus RS485 |
| Dimensions (H x W x D): | 690 mm x 465 mm x 330 mm |
| Drain: | Atmospheric pressure, vented, min. Ø 64 mm |

| | |
|---------------------------------|--|
| Earth connection: | Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm ² |
| Instrument air: | Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air |
| Interferences: | Volatile amines interfere. Fats, oil, proteins, surfactants and tar. |
| Lower Limit of Detection (LOD): | ≤ 1 mg/L (range 1 - 10 mg/L) |
| Material: | Hinged part: Thermoform ABS, door: plexiglass Wall section: Galvanised steel, powder coated |
| Measurement method: | Discontinuous measurement by combined ion-selective electrode with standard addition, conform with standard method APHA 4500-NH ₃ € |
| Number of sample streams: | 1 stream Optional: 1 to 8 streams |
| Output: | Modbus RS485 Optional: Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs RS232, Modbus TCP/IP |
| Parameter: | Ammonium |
| Power: | 110 - 220 VAC, 2 A, 50/60Hz Max. power consumption: 150 VA Other voltages available on request |
| Precision: | Better than 2% full scale range for standard test solutions |
| Protection Class: | Analyser cabinet: IP55 / Panel PC: IP65 |
| Range: | 10 - 100 mg/L NH ₄ -N Optional: 10 - 25 mg/L NH ₄ -N 10 - 50 mg/L NH ₄ -N |
| Reagent Requirements: | Keep between 10 - 30 °C |
| Sample Flow Rate: | 100 - 300 mL/min |
| Sample Pressure: | By external overflow vessel |
| Sample Quality: | Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU |
| Sample Temperature: | 10 - 30 °C |
| Validation: | Automatic; frequency freely programmable |
| Warranty: | 1 year |
| Weight: | 25 kg |