



EZ3001 Ammonium Analyser, 1 stream, Modbus RS485

de producto: EZ3001.99001C02
USD Precio: Contacto Hach

Online ion-selective Ammonium 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 temperaturecontrolled 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.

Especificaciones

Aire de instrumentación:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Alarma:	1x malfunctioning, 4x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Alimentación:	110 - 220 VAC, 2 A, 50/60Hz

	Max. power consumption: 150 VA
	Other voltages available on request
Calibración:	Automatic, 2-point; frequency freely programmable
Calidad de muestra:	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Caudal de muestra:	100 - 300 mL/min
Certificaciones:	CE compliant / UL certified
Conexión a tierra:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm ²
Dimensiones (A x A x P):	690 mm x 465 mm x 330 mm
Drenaje:	Atmospheric pressure, vented, min. Ø 64 mm
Exactitud:	Better than 2% full scale range for standard test solutions
Garantía:	1 año
Grado de protección:	Analyser cabinet: IP55 / Panel PC: IP65
Interferencias:	Volatile amines interfere. Fats, oil, proteins, surfactants and tar.
Límite de detección:	≤ 2.5 mg/L
Material:	Hinged part: Thermoform ABS, door: plexiglass
	Wall section: Galvanised steel, powder coated
Método de medición:	Discontinuous, direct measurement by combined ion-selective electrode, conform with standard method APHA 4500-NH ₃ (D)
Número de corrientes de muestra:	1 stream
	Optional:
	1 to 8 streams
Parámetro:	Ammonium
Peso:	25 kg
Presión de muestra:	By external overflow vessel
Rango de medición:	10 - 100 mg/L NH ₄ -N
	Optional:
	5 - 50 mg/L NH ₄ -N
Requisitos de los reactivos:	Keep between 10 - 30 °C
Salida:	Modbus RS485
	Optional:
	Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs
	RS232, Modbus TCP/IP
Salidas digitales:	Modbus RS485
Temperatura ambiente:	10 - 30 °C ±4 °C deviation at 5 - 95% relative humidity (non-condensing)
Temperatura de la muestra:	10 - 30 °C
Tiempo de ciclo:	5 minutes
Validación:	Automatic; frequency freely programmable