



EZ6001 Total Dissolved Arsenic Analyser As(III+V)

Produktnr: EZ6001.XXXXXXXXXX
SEK Pris: Kontakta oss

Trace metal analysis of Total Dissolved Arsenic As(III+V) in water by online voltammetry

About the 6000 Series

The EZ6000 Series of Online Trace Metal Analysers are based on the technology of stripping voltammetry, a sensitive analytical technique that can be automated for the determination of trace levels of metals in water. For many metals the EZ6000 Series boasts limits of quantification in the low ppb range, comparing the technique favorably with AAS or ICP analysis.

Single, multiple and total parameter configurations

Several product sublines with a wealth of combinations are available for determination of trace metals, including the standard single parameter and multi-parameter configurations without digestion. Measurement of complexed or adsorbed metals is possible by means of the configurations with built-in digester. Combinations of metals depend on the choice of working electrode and the priority metals for your application.

Advanced features

The EZ6000 Series build upon tried and tested voltammetry technology used in many clean water applications, in an industrial mainframe with the following prime features:

- Excellent selectivity and sensitivity
- Built-in sample digestion unit (hot acid or UV)
- Smart automatic features
- Standard 4 - 20 mA signal output with alarm processing
- Communication ports supporting connectivity to Modbus
- Higher measuring ranges: internal sample dilution
- Multiple stream analysis

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

Specifikationer

Analoga utgångar: Active 4 - 20 mA max. 500 Ohm load, standard 1, max. 8 (option)

Antal provströmmar:	1, 2, or 4
Automatisk rengöring:	Ja
Certifieringar :	CE compliant / ETL certified
Cooling water:	Not required
Cykeltid:	10 minutes
Demineralised water:	For rinsing
Detektionsgräns:	≤ 1 µg/L
Digital outputs:	Optional: Modbus (TCP/IP, RS485)
Dimension (H x B x D):	690 mm x 465 mm x 330 mm
Dränering:	Atmospheric pressure, vented, min. Ø 32 mm
Earth connection:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm²
Garanti :	24 månader
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Kalibrering:	Automatic, 2-point; frequency freely programmable
Larm:	1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Material:	Hinged part: Thermoform ABS, door: PMMA
	Wall section: Galvanised steel, powder coated
Mätmetod:	Stripping voltammetry using gold electrode
Matningsspänning:	100 - 240 VAC, 50/60 Hz
	Max. power consumption: 120 VA
Mätområde:	1 - 20 µg/L As
Modell:	EZ6001
Omgivningstemperatur:	10 - 30 °C ±4 °C deviation at 5 - 95% relative humidity (non-condensing)
Parameter:	Arsenic, total dissolved As(III+V)
Precision:	Better than 5% full scale range for standard test solutions
Prov: tryck:	By external overflow vessel
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:	Analyser cabinet: IP44 / Panel PC: IP65
Störningar:	Iodide, organic matter, copper Cu(II) > 30 µg/L, iron Fe(III) >20 mg/L, various metals in mg/L levels may interfere. Fats, oil, proteins, surfactants and tar.
Vad ingår i leveransen:	EZ6001 Arsenic Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 1 x Reference Electrode (Ag/AgCl), 1 x Working Electrode - Gold, 1 Counter Electrode, 1 x empty 5L Reagent Container with Fittings (Buffer Solution) and 1 x empty 10L Reagent Container with Fittings (H2SO4) and 2 x empty 1L Reagent Containers with Fittings (Reference Blank & Reference As Solution)
Validation:	Automatic; frequency freely programmable
Vikt :	25 kg

Vad finns i förpackningen

EZ6001 Arsenic Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 1 x Reference Electrode (Ag/AgCl), 1 x Working Electrode - Gold, 1 Counter Electrode, 1 x empty 5L Reagent Container with Fittings (Buffer Solution) and 1 x empty 10L Reagent Container with Fittings (H₂SO₄) and 2 x empty 1L Reagent Containers with Fittings (Reference Blank & Reference As Solution)