



EZ6200 Total Arsenic Analyser

Kat. číslo produktu:	EZ6200.XXXXXXXXXX
EUR Cena bez DPH:	Kontaktujte nás

Trace metal analysis of Total Arsenic 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.

Technické údaje

Alarm:	1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts
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Analógové výstupy:	Active 4 - 20 mA max. 500 Ohm load, standard 1, max. 8 (option)
Automatické čistenie:	Áno
Č. prúdov vzoriek:	1, 2, or 4
Certifikácia:	CE compliant / ETL certified
Chladicí voda:	Flow rate approx. 5 L/h; temperature max. 30 °C; pressure max. 0.5 bar
Demineralised water:	For rinsing / dilution
Detekčný limit:	$\leq 1 \mu\text{g/L}$
Digitálne výstupy:	Optional: Modbus (TCP/IP, RS485)
Doba cyklu :	20 minutes (dilution + 5 min.)
Earth connection:	Dry and clean earth pole with low impedance ($< 1 \text{ Ohm}$) using an earth cable of $> 2.5 \text{ mm}^2$
Hmotnosť:	25 kg
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Interferencie:	Iodide, organic matter, copper Cu(II) $> 30 \mu\text{g/L}$, iron Fe(III) $> 20 \text{ mg/L}$, various metals in mg/L levels may interfere. Fats, oil, proteins, surfactants and tar.
Kalibrácia:	Automatic, 2-point; frequency freely programmable
Kvalita vzorky:	Maximum particle size $100 \mu\text{m}$, $< 0.1 \text{ g/L}$; Turbidity $< 50 \text{ NTU}$
Materiál:	Hinged part: Thermoform ABS, door: PMMA
	Wall section: Galvanised steel, powder coated
Metóda merania:	Stripping voltammetry using gold electrode
Model:	EZ6200
Napájanie:	230 VAC, 50/60 Hz
	120 VAC, 50/60 Hz
	Max. power consumption: 440 VA
Obsah balenia:	EZ6200 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 x Counter Electrode, 2 x empty 2.5L Reagent Containers with Fittings (Buffer & HNO_3 Solution) and 1 x empty 5L Reagent Container with Fittings (H_2SO_4 Solution) and 2 x empty 1L Reagent Containers with Fittings (Reference Blank & Reference As Solution)
Odtok:	Atmospheric pressure, vented, min. $\varnothing 32 \text{ mm}$
Parameter:	Arsenic, total
Presnosť:	Better than 5% full scale range for standard test solutions
Reagent Requirements:	Keep between 10 - 30 °C
Rozmery (V x Š x H):	690 mm x 465 mm x 330 mm
Rozsah merania:	1 - 20 $\mu\text{g/L As}$
	Optional:
	5 - 80 $\mu\text{g/L}$ (with internal dilution)
	10 - 200 $\mu\text{g/L}$ (with internal dilution)
	20 - 400 $\mu\text{g/L}$ (with internal dilution)
Rýchlosť prietoku vzorky:	100 - 300 mL/min
Teplota prostredia:	10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)
Teplota vzorky:	10 - 30 °C
Trieda ochrany:	Analyser cabinet: IP44 / Panel PC: IP65
Validation:	Automatic; frequency freely programmable

Vzorka: tlak:	By external overflow vessel
Záruka:	24 mesiacov

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