



EZ2005 Total Iron Analyser

Продукт №: EZ2005.XXXXXXXXXX
BGN Цена: Свържете се с нас

Online colorimetric analysis of Total Iron in water

EZ2000 Total Iron Analysers achieve excellent precision and accuracy. At the heart of the colorimeter there is a compact photometer assembly developed especially for the EZ Series. Consumption of reagents is reduced by low volume analysis, yet high sensitivity is assured by a long optical path length. The limit of detection is in the low $\mu\text{g/L}$ range.

EZ2000 Total Iron Analysers have an internal digestion unit. This additional step prior to analysis allows to measure non-soluble or complexed metal species.

Results you can rely on

Smart automatic features for calibration, validation, priming and cleaning are embedded in the controller software and contribute to analytical performance, maximised uptime and negligible operator intervention. Precision micropumps dose all reagents. Sample lines and analysis vessel are cleaned with demineralised water to eliminate cross contamination between samples. Electronic and wet-chemical part of the analyser are strictly separated. A transparent door allows for instant visual inspection of the wet part.

Flexibility that meets your needs

EZ Series Total Iron Analysers come in an attractive, ergonomic mainframe with a compact footprint. All hardware is controlled by the integrated industrial panel PC. The modular build allows for the analyser to match your application and operational needs.

- The standard measuring range can be narrowed by a different calibration range or extended via internal dilution options.
- Analogue and digital output options
- Multiple stream analysis for up to 8 sample streams

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

Спецификации

Demineralised water:	For rinsing / dilution
Digital outputs:	Optional: Modbus (TCP/IP, RS485)
Earth connection:	Dry and clean earth pole with low impedance ($< 1 \text{ Ohm}$) using an earth cable of $> 2.5 \text{ mm}^2$
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Precision:	Better than 2% full scale range for standard test solutions

Reagent Requirements:	Keep between 10 - 30 °C
Validation:	Automatic; frequency freely programmable
Аварийен сигнал:	1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Аналогови изходи:	Active 4 - 20 mA max. 500 Ohm load, standard 1, max. 8 (option)
Бр. потоци проби:	1, 2, 4 or 8
Гаранция:	24 месеца
Граница на откриваемост:	$\leq 2 \mu\text{g/L}$
Дренаж:	Atmospheric pressure, vented, min. Ø 32 mm
Захранване:	230 VAC, 50/60 Hz
	120 VAC, 50/60 Hz
	Max. power consumption: 440 VA
Измерване метод:	Colorimetric measurement using TPTZ colour solution, conform with APHA 3500-Fe (B)
Измерване, диапазон:	0.01 - 1 mg/L Fe
	Optional:
	0.005 - 0.25 mg/L
	0.005 - 0.5 mg/L
	0.08 - 4 mg/L (with internal dilution)
	0.16 - 10 mg/L (with internal dilution)
	2 - 20 mg/L (with internal dilution)
Какво има в кутията:	EZ2005 Iron Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 2 x empty 2.5L Reagent Containers with Fittings (for Reductor & Buffer Solution) and 1 x empty 2.5L Glass Reagent Container (for Colour Solution)
Калибриране:	Automatic, 2-point; frequency freely programmable
Клас на защита:	Protection class: Analyser cabinet: IP44 / Panel PC: IP65
Кювети за проба:	20 min Total Fe (dilution + 5 min)
	30 min Total Fe & Fe (II); Fe (II+III)
	40 min Total Fe & Fe (II+III) & Fe (II) & Fe (III)
Материал:	Hinged part: Thermoform ABS, door: PMMA
	Wall section: Galvanised steel, powder coated
Модел:	EZ2005
Околна температура:	10 - 30 °C \pm 4 °C deviation at 5 - 95% relative humidity (non-condensing)
Параметър:	Iron, total
Проба, дебит:	100 - 300 mL/min
Проба: налягане:	By external overflow vessel
Размери (В x Ш x Д):	690 mm x 465 mm x 330 mm
Сертификати:	CE compliant / UL certified
Смущения:	Metal ions like Lead > 10 mg/L, Zinc > 2 mg/L, Nickel > 2 mg/L, Iron > 5 mg/L, Copper > 5 mg/L. Strong oxidising agents, Cyanide, Nitrite, Phosphate (polyphosphate more than orthophosphate), Chromium, Zinc in concentrations exceeding 10 times that of Iron. Bismuth, Cadmium, Mercury, Molybdate, and Silver precipitate Phenanthroline. Polyphosphate must be absent. Large amounts of colour and turbidity interfere. Fats, oil, proteins, surfactants and tar.

Тегло:	25 kg
Температура на проба:	10 - 30 °C

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