



EZ2005 Total Iron Analyser

Nr. produs: EZ2005.XXXXXXXXXX
RON Preț (fără TVA): Contact

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.

Specificații

Alarma:	1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Calibrare:	Automatic, 2-point; frequency freely programmable
Certificări:	CE compliant / UL certified
Clasa de protecție:	Protection class: Analyser cabinet: IP44 / Panel PC: IP65

Conținutul cutiei:	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)
Cuve:	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)
Debitul probei:	100 - 300 mL/min
Demineralised water:	For rinsing / dilution
Digital outputs:	Optional: Modbus (TCP/IP, RS485)
Dimensiuni (Înălțime x Lățime x Adâncime):	690 mm x 465 mm x 330 mm
Domeniu de măsurare:	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)
Earth connection:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm ²
Esantion: presiune:	By external overflow vessel
Garanție:	24 luni
Greutate:	25 kg
Iesiri analogice:	Active 4 - 20 mA max. 500 Ohm load, standard 1, max. 8 (option)
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Interferente:	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.
Limita de detecție:	≤ 2 µg/L
Material:	Hinged part: Thermoform ABS, door: PMMA Wall section: Galvanised steel, powder coated
Metoda de măsurare:	Colorimetric measurement using TPTZ colour solution, conform with APHA 3500-Fe (B)
Model:	EZ2005
Nr. flux probe :	1, 2, 4 or 8
Parametru:	Iron, total
Precizie:	Better than 2% full scale range for standard test solutions
Putere:	230 VAC, 50/60 Hz 120 VAC, 50/60 Hz Max. power consumption: 440 VA
Reagent Requirements:	Keep between 10 - 30 °C
Scurgere:	Atmospheric pressure, vented, min. Ø 32 mm

Temparatura ambiantă:	10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)
Temperatura probă:	10 - 30 °C
Validation:	Automatic; frequency freely programmable

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