



Be Right™



## **EZ2308 Total Iron + Total Dissolved Iron Fe(II+III) + Dissolved Iron Fe(II) + Dissolved Iron Fe(III) Analyser, 1 stream, Modbus RS485**

**Proizvod #:** EZ2308.990A1C02

HRK Cijena: Kontaktirajte nas

Poziv za datum slanja

### **Online colorimetric analysis of Total Iron + Total Dissolved Iron Fe(II+III) + Dissolved Iron Fe(II) + Iron Fe(III) 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.

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### **Specifikacije**

Alarma: 1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts

Broj uzoraka: 1 stream

Optional:

1 to 8 streams

Certificiranja: CE compliant / UL certified

Cooling water:	Flow rate approx. 5 L/h; temperature max. 30 °C; pressure max. 0.5 bar
Digital outputs:	Modbus RS485
Dimenzije (V x Š x D):	690 mm x 465 mm x 330 mm
Earth connection:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm <sup>2</sup>
Garancija:	2 godine
Granica detekcije:	Fe total, Fe(II), Fe(II+III): ≤ 2 µg/L  Fe(III): ≤ 10 µg/L
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Interferencija :	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.
Izlaz :	Modbus RS485  Optional:  Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs  RS232, Modbus TCP/IP
Kalibracija:	Automatic, 2-point; frequency freely programmable
Kivete:	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)
Klasa zaštite:	Analyser cabinet: IP55 / Panel PC: IP65
Kvaliteta uzorka:	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Masa:	25 kg
Materijal:	Hinged part: Thermoform ABS, door: plexiglass  Wall section: Galvanised steel, powder coated
Mjerna metoda:	Colorimetric measurement using TPTZ colour solution, conform with APHA 3500-Fe (B)
Mjerni rang:	0.01 - 1 mg/L Fe(II), Fe(II+III)  0.04 - 1 mg/L Fe(III)  Optional:  0.002 - 0.1 mg/L   Fe(III): 0.01 - 0.1 mg/L  0.005 - 0.25 mg/L   Fe(III): 0.02 - 0.25 mg/L  0.005 - 0.5 mg/L   Fe(III): 0.02 - 0.5 mg/L  0.08 - 4 mg/L   Fe(III): 0.32 - 4 mg/L (with internal dilution)  0.16 - 10 mg/L   Fe(III): 1.6 - 10 mg/L (with internal dilution)
Napajanje:	220 VAC / 50 Hz
Odvod:	Atmospheric pressure, vented, min. Ø 64 mm
Parametar:	Iron, total; Fe(II+III), total dissolved; Fe(II), dissolved; Fe(III), dissolved
Precision:	Better than 2% full scale range for standard test solutions

Protok uzorka:	100 - 300 mL/min
Reagent Requirements:	Keep between 10 - 30 °C
Temperatura prostora:	10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)
Temperatura uzorka:	10 - 30 °C
Uzorak: tlak:	By external overflow vessel
Validation:	Automatic; frequency freely programmable