



EZ1016sc Total Hardness Analyser

Nr. produs: **EZ1016.XXXXXXXT**
RON Preț (fără TVA): Contact

Online colorimetric analysis of Total Hardness in water

EZ1000 Total Hardness 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.

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. The consumption of reagents is monitored through automatic counters, signalling the need of replacement. 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.

The system has standard Claros connection enabled, which allows for remote monitoring, operating and troubleshooting.

Flexibility that meets your needs

EZ Series Total Hardness Analysers come in an attractive, ergonomic mainframe with a compact footprint. All hardware is controlled by the integrated digital SC controller. 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.
- Analog 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:	Malfunction, maintenance, analyser busy
Calibrare:	Automatic, 2-point; frequency freely programmable
Calitate proba:	Maximum particle size 100 μm , < 0.1 g/L; Turbidity < 50 NTU
Certificări:	CE compliant / ETL certified
Clasa de protecție:	IP44

Curatare automata:	Da
Cuve:	10 min (dilution + 5 min.)
Debitul probei:	100 - 300 mL/min
Demineralised water:	For rinsing / dilution
Digital outputs:	Optional: Modbus (TCP/IP, RTU/RS485), Profinet, Profibus DP, Ethernet/IP
Dimensiuni (Înălțime x Lățime x Adâncime):	690 mm x 465 mm x 330 mm
Domeniu de măsurare:	0,05 - 1 mg/L CaCO ₃
	Optional (with internal dilution):
	0,025 - 0,25 mg/L
	0,025 - 0,5 mg/L
	0,5 - 10 mg/L
	1,25 - 25 mg/L
	2,5 - 50 mg/L
	3,75 - 75 mg/L
	5,0 - 100 mg/L
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:	Some metal ions interfere by causing fading or indistinct end points or by stoichiometric consumption of EDTA. Large amounts of colour and turbidity interfere. Fats, oil, proteins, surfactants and tar.
Limita de detecție:	≤ 2.5 µg/L CaCO ₃
Material:	Hinged part: Thermoform ABS, door: PMMA
	Wall section: galvanised steel, powder coated
Metoda de măsurare:	Colorimetric measurement at 610 nm using calmagite/EDTA
Model:	EZ1016sc
Nr. flux probe :	1, 2, 4, or 8
Nume metoda:	Colorimetric
Parametru:	Total Hardness
Precizie:	Better than 2% full scale range for standard test solutions
Putere:	100 - 240 VAC, 50/60 Hz
	Max. power consumption: 120 VA
Reagent Requirements:	Keep between 10 - 30 °C
Scurgere:	Atmospheric pressure, vented, min. Ø 32 mm
Temperatura ambiantă:	10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)
Temperatura probă:	10 - 30 °C

Validation:

Automatic; frequency freely programmable