



## EZ4041 Total Hardness Analyser

Ürün Numarası: EZ4041.XXXXXXXXXX  
TRY Fiyat: Bize Ulaşın

### Online, automatic titration of Total Hardness in water monitoring applications

#### State of the art titration platform

The EZ4000 Series Analysers are single-parameter titrators built on an industrial analytical platform. High precision dispensers, robust peristaltic pumps and carefully designed liquid pathways all add up to the highest performance for industrial and environmental analysis needs.

#### Unique flexibility in titration methods

Every application starts with the basics: the right titrimetric technique for the parameter of interest, the measuring range and the water matrix. Depending on the change in the specific variables, the EZ4000 Series run either acid-base, redox, precipitation or photocolorimetric titration allowing for a unique flexibility.

The EZ4041 Total Hardness Analysers use colorimetric titration. They combine an unparalleled expertise in online titration with a set of unique analysis, control and communication features in a compact footprint:

- Wide standard measuring range of 0-1000 mg/L CaCO<sub>3</sub>
- Smart automatic features
- Control and communication via industrial panel PC
- Analogue and digital output options
- Multiple stream analysis (up to 8 streams)

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

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### Teknik özellikler

|                    |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|
| Ağırlık:           | 25 kg                                                                               |
| Akış Hızı:         | 100 - 300 mL/min                                                                    |
| Alarm :            | 1x malfunctioning, 4x user-configurable, max. 24 VDC/0.5 A, potential free contacts |
| Analog çıkışlar:   | Active 4 - 20 mA max. 500 Ohm load, standard 1, max. 8 (option)                     |
| Boyut (Y x G x D): | 690 mm x 465 mm x 330 mm                                                            |
| Cihaz havası:      | Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air  |

|                      |                                                                                                                                                                                                                                                                                        |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Demineralize su:     | For rinsing / dilution                                                                                                                                                                                                                                                                 |
| Dijital çıkışlar:    | Optional: Modbus (TCP/IP, RS485)                                                                                                                                                                                                                                                       |
| Doğrulama:           | Automatic; frequency freely programmable                                                                                                                                                                                                                                               |
| Doğruluk:            | Better than 2% full scale range for standard test solutions                                                                                                                                                                                                                            |
| Drenaj:              | Atmospheric pressure, vented, min. Ø 32 mm                                                                                                                                                                                                                                             |
| Enerji:              | 100 - 240 VAC, 50/60 Hz                                                                                                                                                                                                                                                                |
|                      | Max. power consumption: 120 VA                                                                                                                                                                                                                                                         |
| Garanti:             | 24 aylar                                                                                                                                                                                                                                                                               |
| Girişimler:          | Some metal ions interfere by causing fading or indistinct end points or by stoichiometric consumption of EDTA. Suspended or colloidal organic matter also may interfere with the end point. Large amounts of colour and turbidity interfere. Fats, oil, proteins, surfactants and tar. |
| Kalibrasyon:         | N.A.                                                                                                                                                                                                                                                                                   |
| Koruma sınıfı:       | Protection class: Analyser cabinet: IP44 / Panel PC: IP65                                                                                                                                                                                                                              |
| Kutudakiler:         | EZ4041 Total Hardness Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 3 x empty 2.5L Reagent Containers with Fittings (for Buffer, Colour & Acid Solution) and 1 x empty 10L Reagent Container with Fittings (for EDTA Solution)                         |
| Malzeme:             | Hinged part: Thermoform ABS, door: PMMA                                                                                                                                                                                                                                                |
|                      | Wall section: Galvanised steel, powder coated                                                                                                                                                                                                                                          |
| Metot:               | Titrimetric                                                                                                                                                                                                                                                                            |
| Model:               | EZ4041                                                                                                                                                                                                                                                                                 |
| Numune akışı sayısı: | 1, 2, 4 or 8                                                                                                                                                                                                                                                                           |
| Numune basıncı:      | By external overflow vessel                                                                                                                                                                                                                                                            |
| Numune kalitesi:     | Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU                                                                                                                                                                                                                            |
| Numune sıcaklığı:    | 10 - 30 °C                                                                                                                                                                                                                                                                             |
| Ölçüm aralığı:       | 100 - 1000 mg/L CaCO <sub>3</sub>                                                                                                                                                                                                                                                      |
|                      | Optional:                                                                                                                                                                                                                                                                              |
|                      | 10 - 100 mg/L CaCO <sub>3</sub>                                                                                                                                                                                                                                                        |
|                      | 25 - 250 mg/L CaCO <sub>3</sub>                                                                                                                                                                                                                                                        |
|                      | 50- 500 mg/L CaCO <sub>3</sub>                                                                                                                                                                                                                                                         |
|                      | Internal dispenser dilution (max. factor 100)                                                                                                                                                                                                                                          |
| Ölçüm metodu:        | Colorimetric titration by EDTA using colour indicator calmagite at 620 nm                                                                                                                                                                                                              |
| Ölçüm süresi:        | 10 - 15 minutes                                                                                                                                                                                                                                                                        |
| Ortam sıcaklığı:     | 10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)                                                                                                                                                                                                              |
| Parametre:           | Hardness, total                                                                                                                                                                                                                                                                        |
| Reaktif gereksinimi: | Keep between 10 - 30 °C                                                                                                                                                                                                                                                                |
| Saptama limiti:      | ≤ 10 mg/L                                                                                                                                                                                                                                                                              |
| Sertifikalar:        | CE compliant / UL certified                                                                                                                                                                                                                                                            |
| Toprak bağlantısı:   | Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm²                                                                                                                                                                                                |

## Kutudakiler

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