



## EZ7621 Total Nitrogen + Total Phosphorus Analyser

Ürün Numarası:

EZ7621.XXXXXXXXXX

TRY Fiyat:

Bize Ulaşın

### The power of the perfect pair: TN and TP

You spend a lot of time looking at your data and your process, so you never come close to any compliance issues while managing your environmental and regulatory goals. When you choose the new EZ Series Total Nitrogen and Total Phosphorus analyser from Hach, you'll get industry-leading technology with the power to measure both parameters in one analyser for an hour-by-hour picture of nutrient removal efficiency. Full process insight gives you the confidence to take action.

### Stay in control.

Be confident in your process. Measuring Total Nitrogen and Total Phosphorus can be a complicated array of processes, but you can be in control. Hach's new TN/TP analyser simplifies the process by helping you get both measurements, quickly and accurately, with one device. When you choose our TN/TP analyser, you'll get industry-leading technology and unparalleled Hach service and support. We are your partner in managing your environmental and regulatory goals, and we're here to help you optimise your work.

### See the total picture.

Get a complete picture of your nutrient removal process with the reliable data and insights you need to act quickly and with confidence. Total nutrient discharge permits evolve, and with Hach's new EZ Series Total Nitrogen and Total Phosphorus analyser you'll get actionable data every hour. You'll always see the total load of Nitrogen and Phosphorus in your water.

### This isn't simple, but we'll help you simplify.

Hach is monitoring wastewater in new and exciting ways. We know that monitoring total nitrogen and total phosphorus can be a complicated process. That's why our new TN/TP analyser gives you the power to simplify your process and get accurate readings. The new combined analyser will make your day easier with features that help you save hands-on time. You'll enjoy the autocalibration, self-cleaning and automatic validation this analyser provides.

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## Teknik özellikler

|                    |   |
|--------------------|---|
| Ağırlık:           | 25 kg   |
| Akış Hızı:         | 100 - 300 mL/min  |
| Alarm :            | 1 x malfunctioning, 4 x 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:     | Consumption: 140 mL/analysis (hour)  |
| Dijital çıkışlar:    | Optional: Modbus (TCP/IP, RS485)   |
| Doğrulama:           | Automatic; frequency freely programmable   |
| Doğruluk:            | Better than 3% (TN) and 2% (TP) full scale range for standard test solutions   |
| Drenaj:              | Atmospheric pressure, vented, min. Ø 32 mm   |
| Enerji:              | 230 VAC, 50/60 Hz  |
|                      | 120 VAC, 50/60 Hz  |
|                      | Max. power consumption: 440 VA   |
| Garanti:             | 24 aylar   |
| Girişimler:          | <p>TN: The main interferences are Br<sup>-</sup> and I<sup>-</sup>. When the amount of I<sup>-</sup> is 2.2 fold of the amount of TN, or the amount of Br<sup>-</sup> is 3.4 fold of the amount of TN, this will interfere on the test results. Dissolved organic matter, surfactants and Chromium (VI) interfere. Various inorganic substances not normally found in natural water, such as Chlorite [ClO<sub>2</sub><sup>-</sup>] and Chlorate [ClO<sub>3</sub><sup>-</sup>], may interfere.</p> <p>TP: Arsenic (V), Chromium (VI), Copper (II) &gt; 10 mg/L, Iron (III) &gt; 10 mg/L, Sulphide &gt; 2 mg/L, and Vanadium (V), Silica &gt; 60 mg/L. Large amounts of colour and turbidity interfere. Fats, oil, proteins, surfactants and tar.</p> |
| Kalibrasyon:         | Automatic, 2-point; frequency freely programmable  |
| Koruma sınıfı:       | Analyser cabinet: IP55 / Panel PC: IP65  |
| Kutudakiler:         | EZ7621 Total Nitrogen & Total Phosphate Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 3 x empty 2.5L Reagent Containers with Fittings (HCl, NaOH and H <sub>2</sub> SO <sub>4</sub> Solution) and 3 x empty 2.5L Glass Reagent Containers with Fittings (Colour, Reductor & Persulphate Solution)  |
| Malzeme:             | Hinged part: Thermoform ABS, door: PMMA  |
|                      | Wall section: Galvanised steel, powder coated  |
| 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:       | 0.1 - 2 mg/L TN; 0.005 - 1 mg/L TP   |
| Ölçüm metodu:        | <p>TN: UV photometric measurement at 220 nm after persulphate digestion in alkaline medium, based on APHA 4500-NO3 (B)</p> <p>TP: Colorimetric measurement at 700 nm using ascorbic acid reduction and molybdate colour solution after persulphate digestion in acidic medium, based on APHA 4500-P</p>  |
| Ölçüm süresi:        | Standard measurement cycle time for both TN & TP: 60 minutes   |
| Ortam sıcaklığı:     | 10 - 30 °C, ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)   |
| Otomatik temizleme:  | Evet   |
| Parametre:           | Total Nitrogen (TN), Total Phosphorus (TP)   |
| Reaktif gereksinimi: | Keep between 10 - 30 °C  |
| Saptama limiti:      | <p>TN: ≤ 0.1 mg/L</p> <p>TP: ≤ 0.005 mg/L</p>  |
| Sertifikalar:        | CE compliant / ETL certified   |
| Toprak bağlantısı:   | Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm <sup>2</sup>  |

## Kutudakiler

EZ7621 Total Nitrogen & Total Phosphate Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 3 x empty 2.5L Reagent Containers with Fittings (HCl, NaOH and  $H_2SO_4$  Solution) and 3 x empty 2.5L Glass Reagent Containers with Fittings (Colour, Reductor & Persulphate Solution)