



Be Right™



## EZ7851 Total Phosphorus / Phosphate Analyser, 1 stream, Modbus RS485

Proizvod #: EZ7851.990A1C02

HRK Cijena: Kontaktirajte nas  
Poziv za datum slanja

### Online, automatic monitoring of Total Phosphorus (TP) in wastewater and general water applications

The EZ7800 Series of Online TP Analysers meet the needs for fast, convenient and reliable monitoring of the regulatory sum parameter Total Phosphorus in municipal and industrial wastewater as well as surface water applications. The EZ7800 Series share similar technology with the EZ7700 Series which monitor Total Nitrogen.

Phosphorus is often synonymous with phosphate but can be present in different forms: orthophosphate (O-phosphate), condensed phosphate (polyphosphate) or organically bonded phosphate. O-phosphate is often the only form that is measured with traditional test kits or even in laboratory, yet the organic form of phosphate can be an important constituent of industrial discharges, often deriving from corrosion control programs or use of fertilisers. In summary, knowing levels of TP can be an important added value to waste water operations.

The EZ7800 Online Total Phosphorus Analyser allows operators of industrial and municipal water works to monitor and control in a convenient way the total portion of phosphorous, if needed combined with a free phosphate measurement. The analyser's industrial mainframe harnesses a proprietary sample digestion technique combined with a proprietary sample digestion technique combined with seamless operation:

- Full oxidation of all complexed phosphate
- Smart automatic features
- Control and communication via industrial panel PC
- Standard 4 - 20 mA signal output with alarm processing
- Communication supporting Ethernet connectivity to Modbus TCP/IP
- Multiple stream analysis

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
Certificiranja:	CE compliant / UL certified
Cooling water:	Flow rate approx. 5 L/h; temperature max. 30 °C; pressure max. 0.5 bar
Demineralised water:	For rinsing purposes
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:	TP: ≤ 25 µg/L  PO <sub>4</sub> -P: ≤ 5 µg/L
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Interferencija :	Arsenicum (V), Chromium (VI), Copper (II) > 10 mg/L, Iron (III) > 10 mg/L, Sulphide > 2 mg/L, and Vanadium (V), Silica > 60 mg/L. 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:	30 min including digestion of 10 min (standard)
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 at 630 nm using ascorbic acid reduction and molybdate colour solution after persulphate digestion in acidic medium, conform with APHA 4500-P
Mjerni rang:	TP: 0.025 - 5 mg/L TP; PO <sub>4</sub> -P: 0.005 - 1 mg/L
Napajanje:	220 VAC, 2 A, 50 Hz  Max. power consumption : 150 VA
Odvod:	Atmospheric pressure, vented, min. Ø 64 mm
Parametar:	Phosphorus, total;  Phosphate PO <sub>4</sub> -P
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