



EZ7601 Total Nitrogen + Total Phosphorus Analyser, 1 stream, Modbus RS485

Proizvod #: EZ7601.990A1C02
HRK Cijena: Kontaktirajte nas
Poziv za datum slanja

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

Similar to the EZ7700 and EZ7800 Series, the EZ7600 Series of Total TN + TP Analysers assure fast, convenient and reliable monitoring of both nutrient sum parameters Total Nitrogen and Total Phosphorus in wastewater and surface water applications.

Traditionally, compliance of waste water effluent with local discharge regulations is assessed by a number of wellknown nutrient parameters, such as nitrate (NO_3^-) and soluble phosphate (PO_4^{3-}) concentrations. However, the dynamic nature of nitrogen speciation and phosphorus fractions in treated waste waters and natural waters cannot be underestimated as it may contribute significantly to the total nutrient load of the water body. In addition to regulatory compliance of nutrient levels, online monitoring of either TN or TP may provide deeper insight into the biochemical processes of water treatment operations.

The EZ7600 Series use an analytical mainframe specifically developed for the combined, automatic measurement of Total N and P in water samples. Key to this measurement is the use of AppliTek's proprietary sample digestion technique and a new spectrometer with low drift and excellent signal-to-noise ratio:

- Combined measurement of all nitrogen components and complexed phosphate
- Compact high-performance spectrometer
- 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.

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 ²
Garancija:	2 godine
Granica detekcije:	TN: ≤ 100 µg/L TP: ≤ 20 µg/L
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Interferencija :	TN: Dissolved organic matter, surfactants, Nitrite, and Chromium (VI) interfere. Various inorganic substances not normally found in natural water, such as Chlorite and Chlorate, may interfere. Turbidity can be compensated by 0.45 µm filtration. TP: 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:	80 min including digestion of 60 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:	TN: UV photometric measurement at 220 nm after persulphate digestion in alkaline medium, conform with APHA 4500-NO ₃ (B) TP: 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:	TN: 0.1-5 mg/L TP: 0.02-2 mg/L
Napajanje:	220 VAC, 2 A, 50Hz Max. power consumption: 150 VA
Odvod:	Atmospheric pressure, vented, min. Ø 64 mm
Parametar:	Nitrogen, total; Phosphorus, total
Precision:	Better than 4% (TN) and 2% (TP) 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