



## EZ7900 Toxicity Analyser

Nr. produs: **EZ7900.XXXXXXXXXX**  
RON Preț (fără TVA): Contact

### Online, automatic respirometry for early warning of toxicity in wastewater treatment plants

#### Early Warning System against calamities

The EZ7900 Online Toxicity Analyser is able to detect and measure waste water streams that present an acute or chronic toxicity to the biomass of a water treatment plant. This allows operators to take corrective measures to protect the viability of the activated sludge.

#### Representative measurements on fresh sludge

Measurements are carried out on real sludge freshly sampled from the treatment plant by means of a self-cleaning sampling-filtration system (option). This unique approach has the following advantages: dynamic changes in biomass viability are immediately detected, while sample temperature and pH in the analysis vessel reflects those of the treatment plant.

The EZ7900 Series combine a unique, field-proven respirometric analyser design with a robust sampling-filtration system, assuring detection of toxic compounds or shock loads in an early stage:

- Detection of acute and chronic toxicity on activated sludge
- Measurement of the respiration rate by means of a single dissolved oxygen (DO) sensor
- Smart automatic features
- Standard 4 - 20 mA signal output with alarm processing
- Communication ports supporting connectivity to Modbus
- Multiple stream analysis

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

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## Specificații

Alarma:	1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Calibrare:	Automatic; standard at every analysis cycle
Calitate proba:	Maximum particle size 500 µm, < 0.1 g/L

Most applications require the use of a dual EZ9110 + EZ9120 sampling/filtration system.

Certificări:	CE compliant / ETL certified
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Clasa de protecție:	Analyser cabinet: IP44 / Panel PC: IP65
Conținutul cutiei:	EZ7900 Toxicity Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets and empty Containers for Reagents with Fittings
Curatare automata:	Da
Cuve:	10 - 15 minutes
Debitul probei:	100 - 300 mL/min
Demineralised water:	N.A.
Digital outputs:	Optional: Modbus (TCP/IP, RS485)
Dimensiuni (Înălțime x Lățime x Adâncime):	690 mm x 465 mm x 330 mm
Domeniu de măsurare:	0 - 100 % inhibition
Earth connection:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm²
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:	N.A.
Limita de detecție:	N.A.
Material:	Hinged part: Thermoform ABS, door: PMMA
	Wall section: Galvanised steel, powder coated
Metoda de măsurare:	Respirometry
Nr. flux probe :	1, 2, or 4
Parametru:	Toxicity; respiration rate
Precizie:	Better than 5% 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

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