



EZ7900 Toxicity Analyser

Številka izdelka: **EZ7900.XXXXXXXX**
EUR Cena: Kontakt

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.

Specifikacije

Alarm:	1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Analogni izhodi:	Active 4 - 20 mA max. 500 Ohm load, standard 1, max. 8 (option)
Avtomatsko čiščenje:	Da
Certificiranje:	CE compliant / ETL certified
Demineralised water:	N.A.
Digital outputs:	Optional: Modbus (TCP/IP, RS485)

Dimenzija (v x š x g):	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 mm²
Garancija:	24 mesecev
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Interference :	N.A.
Kakovost vzorca:	Maximum particle size 500 µm, < 0.1 g/L
	Most applications require the use of a dual EZ9110 + EZ9120 sampling/filtration system.
Kiveta za vzorec:	10 - 15 minutes
Material:	Hinged part: Thermoform ABS, door: PMMA
	Wall section: Galvanised steel, powder coated
Meja zaznavanja:	N.A.
Merilna metoda:	Respirometry
Merilno območje:	0 - 100 % inhibition
Moč:	100 - 240 VAC, 50/60 Hz
	Max. power consumption: 120 VA
Odvod:	Atmospheric pressure, vented, min. Ø 32 mm
Parameter:	Toxicity; respiration rate
Precision:	Better than 5% full scale range for standard test solutions
Pretok vzorca:	100 - 300 mL/min
Razred zaščite:	Analyser cabinet: IP44 / Panel PC: IP65
Reagent Requirements:	Keep between 10 - 30 °C
Št. vzorca:	1, 2, or 4
Temperatura okolja:	10 - 30 °C ±4 °C deviation at 5 - 95% relative humidity (non-condensing)
Temperatura vzorca:	10 - 30 °C
Teža:	25 kg
Umeritev:	Automatic; standard at every analysis cycle
Validation:	Automatic; frequency freely programmable
Vsebina paketa:	EZ7900 Toxicity Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets and empty Containers for Reagents with Fittings
Vzorec: tlak:	By external overflow vessel

Vsebina paketa

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