



EZ7900 Toxicity Analyser

Ürün Numarası: EZ7900.XXXXXXXXXX
TRY Fiyat: Bize Ulaşın

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.

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:	N.A.
Dijital çıkışlar:	Optional: Modbus (TCP/IP, RS485)
Doğrulama:	Automatic; frequency freely programmable
Doğruluk:	Better than 5% full scale range for standard test solutions
Drenaj:	Atmospheric pressure, vented, min. Ø 32 mm
Enerji:	100 - 240 VAC, 50/60 Hz
	Max. power consumption: 120 VA
Garanti:	24 aylar
Girişimler:	N.A.
Kalibrasyon:	Automatic; standard at every analysis cycle
Koruma sınıfı:	Analyser cabinet: IP44 / Panel PC: IP65
Kutudakiler:	EZ7900 Toxicity Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets and empty Containers for Reagents with Fittings
Malzeme:	Hinged part: Thermoform ABS, door: PMMA
	Wall section: Galvanised steel, powder coated
Numune akışı sayısı:	1, 2, or 4
Numune basıncı:	By external overflow vessel
Numune kalitesi:	Maximum particle size 500 µm, < 0.1 g/L
	Most applications require the use of a dual EZ9110 + EZ9120 sampling/filtration system.
Numune sıcaklığı:	10 - 30 °C
Ölçüm aralığı:	0 - 100 % inhibition
Ölçüm metodu:	Respirometry
Ölçüm süresi:	10 - 15 minutes
Ortam sıcaklığı:	10 - 30 °C ±4 °C deviation at 5 - 95% relative humidity (non-condensing)
Otomatik temizleme:	Evet
Parametre:	Toxicity; respiration rate
Reaktif gereksinimi:	Keep between 10 - 30 °C
Saptama limiti:	N.A.
Sertifikalar:	CE compliant / ETL certified
Toprak bağlantısı:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm²

Kutudakiler

EZ7900 Toxicity Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets and empty Containers for Reagents with Fittings