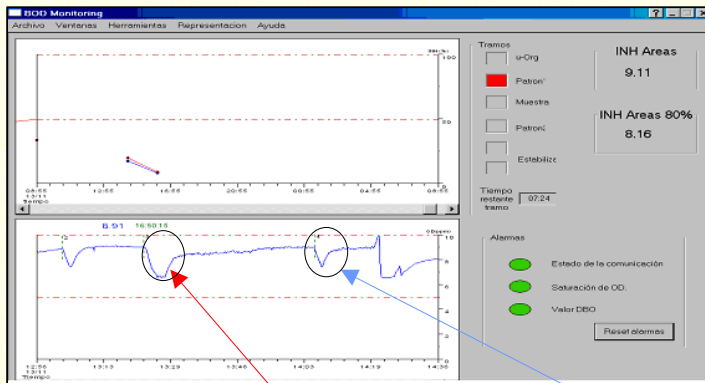


BIOSENSORS FOR MONITORING SUPERFICIAL AND GROUND WATER QUALITY

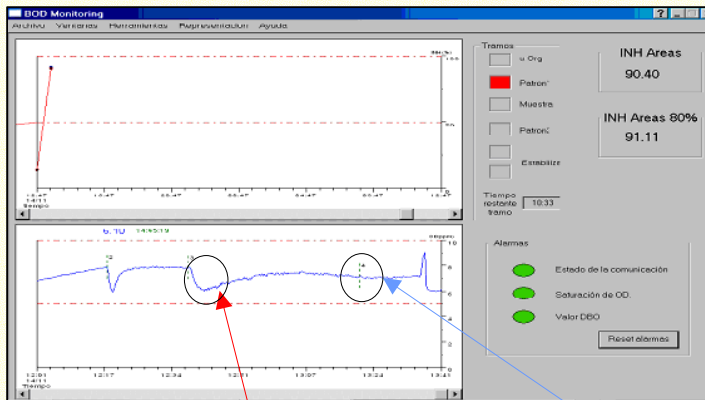


A BIOSENSOR TO GUARD THE WATER IN ENVIRONMENTAL WETLANDS: BIOSENSORS OF WOLA EUROPE S.L.

A SOFTWARE DEVELOPPED SPECIFICALLY FOR THIS BIOSENSOR ALLOWS THE DETECTION OF TOTAL TOXICITY



Water containing **organic matter** WITHOUT **toxic substances**



Water containing **organic matter** WITH **toxic substances**

MB-BOD MICROBIAL BIOSENSOR

Automatic device for measure and monitor the Biological Oxygen Demand (BOD) and Total Toxicity contained in waters.



ANALYTICAL EQUIPMENTS DEVELOPED BY WOLA EUROPE S.L.



**MICROBIOSENSOR
DBO/POLITOX**



**MICROBIAL COUNTER
BIOSENSOR**

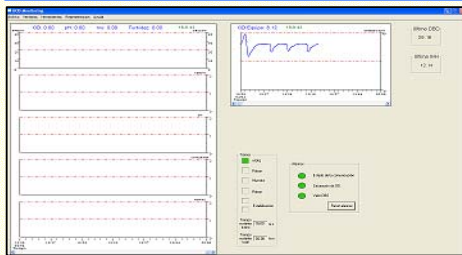


**MULTIPARAMETER
MODULE**

MB-BOD: Quantification of the contamination by biodegradable organic matter in the water.
Time of analysis: 60 min. Cost: 1 €analysis.

POLITOX: Quantification of the integral toxicity in liquids.
Time of analysis: 90 min. Cost: 1 €analysis.

MICROBIAL-COUNTER: Quantification of microorganisms contamination in liquids.
Time of analysis: 15 min. Cost: 0.8 €analysis.



WITH THE MULTIPARAMETER MONITORING MODULE PH, DISSOLVED OXYGEN, CONDUCTIVITY, TURBIDITY AND OTHERS CAN BE CONTROLLED IN REAL TIME

All the products commercialized by WOLA Europe has been independently PROVEN to fulfill all the criteria necessary for an accurate, efficient and automated biomonitor:

- **ROBUST** - Double self-calibration and robust operational design.
- **SENSITIVE** to a wide range of BOD values and variety of pollutants.
- **RELIABLE** automated function.
- **SELF-CALIBRATION.**
- Accurate **REAL TIME** information on water quality.
- **EASY ANALYSIS** of samples and subsequent data output.
- Proven **INDUSTRIAL UTILITY**
- **LOW COST** analysis.
- **EASY HANDLING** – Simple renewal of consumable liquids every 15 days
- **Wireless ALARM SYSTEM.**
- In case of alarm due to a high BOD or Toxicity values, the equipment takes a sample of the water and store it in a cold chamber in order to analyze and identify the substance that has activated the alarm system.

TECHNICAL ESPECIFICATIONS:

Reagents: Growth Media
BOD5 standard
Washing solution

Duration of each analytical cycle: 90 min.

Size: Microbiosensor: 50 x 70 x 70 cm
Multiparameter module: 20 x 70 x 70 cm

Electric Consumption
195 W / 210 - 240 V freq. 50 – 60 Hz

Measuring range: BOD: 5-2000 ppm
TOX: 0-100 % Microbial Inhibition
Microbial Counter: 10⁴ MO/ml

External max. temperature: 48°C



WATER ON LINE ANALYSIS EUROPE SL
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