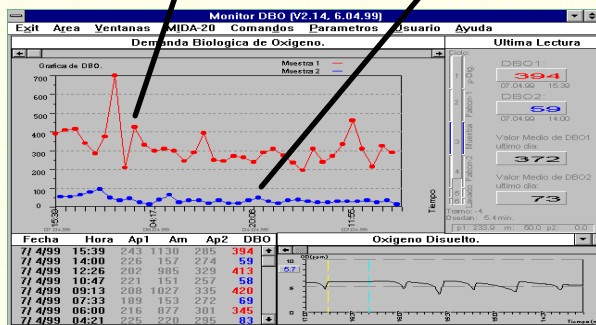
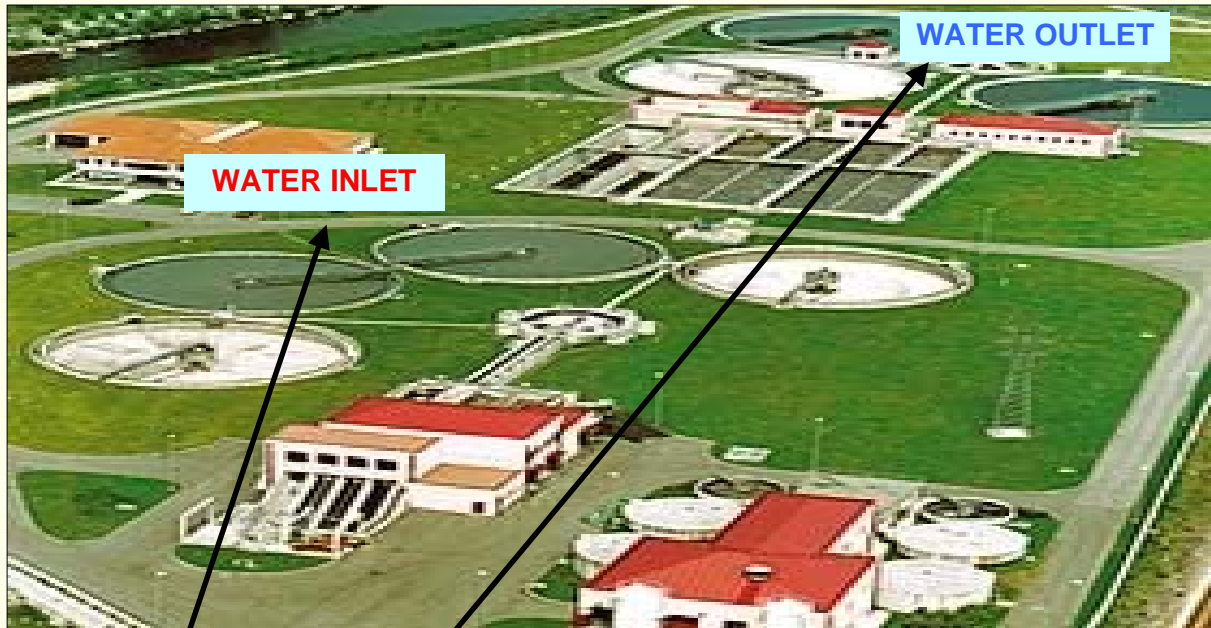


# CONTROL AND OPTIMIZATION OF THE OPERATION OF WWTW BY THE MONITORIZATION OF BOD IN “REAL TIME”



A SOFTWARE DEVELOPPED SPECIFICALLY FOR THIS BIOSENSOR ALLOWS A REAL TIME MONITORING OF THE RESULTS.

**YOU CAN KNOW THE CONTAMINATION DUE TO ORGANIC MATTER IN WATER, AND OPTIMIZE THE TREATMENT PROCESS OF YOUR WASTE WATER TREATMENT WORKS (WWTW), IN ORDER TO OBTAIN THE BESTS RESULTS**

With our MB-BOD water samples at an inlet (red) and outlet (blue) of a waste water treatment plant can be monitored .

## 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

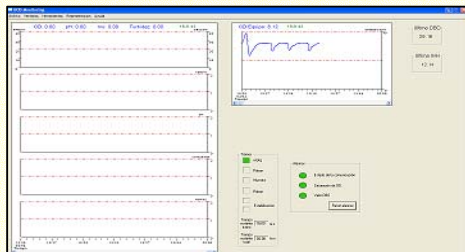


MULTIPARAMETER  
MODULE

**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: 10<sup>4</sup> MO/ml

**External max. temperature:** 48°C



WATER ON LINE ANALYSIS EUROPE SL  
CIF: B 127 41948  
Avda. Ausias March nº3  
12593 Moncofa (Castellon) SPAIN