

Portable Respirometer SN6

The SN6 is a portable respirometer which is intended for the control in situ of the sanitary state of autotrophic and heterotrophic bacteria, and for the control of waste discharges. For this purpose, the SN6 has sensors for oxygen, pH and Redox.

Tests and Parameters

Using the SN-6 respirometer, the following tests are carried out that provide the following parameters automatically:

- OUR TEST (Global Respirometry): OUR, SOUR
- AUR TEST (Nitrification Rate): Rn, AUR
- TOX TEST (Toxicity): % Inhibition
- DESNITRIFICATION TEST
- COD TEST: Biodegradable COD
- Cellular Retention Time (MCRT)
- Needed Oxygen

Applications

- TOXICITY
- AERATION
- DESNITRIFICATION
- NITRIFICATION



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Respirometry in the active sludges process

- Respirometry is a technique that allows us to assess, control and protect the active sludge process by providing information about the state or the activity of the biomass. This enables us to anticipate most of the problems that may affect the process, so guaranteeing, right from the outset, that the correct decisions are taken to counter these problems.
- Respirometry is also a necessary tool for optimizing the active sludge process and the level of toxicity of the wastewater for the microorganisms. It also determines the essential parameters for modeling this process.

Advantages SN6

- APP para dispositivo móvil.
- Portable cabinet measuring (aluminium) 600x600 mm.
- It can be moved to different plants and carried out for testing.
- Low maintenance sensors.
- Versatility to make modifications to tests
- Biga data

Electrical and Software Specifications

- Power supply 220 V 50 Hz.
- Wifi, Ethernet connection.
- Data registry, Trend graphics,
- Data export.
- Software for the automatic calculation of OUR/SOUR, Rsn/AUR, etc.