



## ***BOD INCUBATOR WITH STAINLESS STEEL INTERNAL TE-3911***

Used for the incubation of samples in general, life tests in that (stability in drugs, for example), tests such as the environmental chamber and bottles for the determination of BOD (biochemical oxygen demand), which consists of measurements of the concentration of dissolved oxygen in diluted or undiluted samples, before and after a certain period at a specific temperature.

## Technical Characteristics

### TE-3911

- Technical Characteristics: - 220VAC power supply, optional 127VAC - PT100 3-wire temperature sensor - Working range: +10 to 55 °c With lighting off and +10 to 40°C with lighting on - 4.3 inch touch screen panel controller - Resolution 0.1 / Control  $\pm 1.0^{\circ}\text{C}$  (controller characteristics) - Uniformity at 37°C:  $\pm 1.0^{\circ}\text{C}$  - Permanent memory of the configuration state to restore the working state if there is a power failure, as well as recovering programmable and calibration parameters;
- Term System: Selection of two temperatures for day and night with the possibility of daily monitoring via selection on the Panel as below: ;
- Module 1 Day: start at 6:15 am and end at 6:15 pm Evening: Start at 18:15 and finish at 6:15;
- Module 2 Night: start at 9:00 pm and end at 3:00 am Sun: start at 3:00 and end at 09:00 Night: start at 9:00 am and end at 3:00 pm Day: start at 3:00 pm and end at 9:00 pm;
- - Forced air circulation: without control (uninterrupted) ~ 130 L / per second;
- - Cooling capacity: 420 BTU/H at 5°C using 1/8HP hermetic compressor, with CFC-free R-134-A gas;
- - Cabinet and external door: in SAE 1020 steel and electrostatic painting;
- - Inner chamber: in polished 430 stainless steel;
- - In front of tempered: glass door for internal visualization in process;
- - Door preheat resistance: for system below ambient temperature (Against external condensation);
- - Capacity: for 6 shelves with 120mm intervals;
- - Drain: for capturing water from defrost or condensation;
- - Caster system: to facilitate movement;
- - Power cable: according to NBR 14136 with IEC standard tripolar adapter;
- - Overheating Security: Overheating thermostat above 60°C with audible alarm and resistance control turning off;
- - Open Door Security: open door indication on the panel on the operation screen;



## Benefits and Advantages

- It has thermoperiod: selection of a temperature during the day and a temperature during the night
- Before glass door for internal viewing without the need to open, keeping the internal temperature stable
- Inner chamber in polished stainless steel 430 that facilitates asepsis and provides longer life to the equipment
- Permanent memory of the configuration state to restore the working state if there is a power failure, in addition to recovering programmable and calibration parameters
- Safety: overheat thermostat for overheating above 60°C with audible alarm and resistance control shutdown
- Open door indication on the panel on the operating screen. After 5 minutes of the door open, the control system is disarmed, turning the control into Standby-by for safety
- Temperature set point memory: in case of power failure, the equipment returns with the last set point
- It has a keyed door closing system, restricting access
- Presence of castors for easy transport
- Presence of a side manhole, place to place sensors for calibration
- Communication with computer through USBB cable and ESBA (free software that monitors the control curve system)
- Rigid Quality Control, in which checks and tests guarantee the perfect functioning of the equipment, providing safety and client satisfaction
- Client service, to answer questions and provide explanations about the equipment and methodologies.