



# BENCHTOP BIOREACTOR

## BIO-TEC-PRO-II

Biological Control, Bioinoculants and Biofertilizers; Cultivation of bacteria, fungi, yeasts, microalgae and plant cells; Biopolymers, Biosurfactants, Enzymes, Hydrolysis, Biofuels and other bioprocesses.

## Technical Characteristics

### BIO-TEC-PRO-II

- BIO-TEC-PRO-II Module: - 10-inch Touch-Screen - USB port for data export - Ethernet port for remote access - Extra analog and digital ports (input and output) - Includes PRO-II control software and connections for: - Digital pressure sensor and relief valve - Level/foam sensor - Temperature sensor (Pt-100) - Digital pH sensor - Optical dissolved oxygen sensor - Gas mixer - O<sub>2</sub>/CO<sub>2</sub> gas sensor - Photoperiod system - Up to 5 peristaltic pumps - Stirring motor - Mass flow controller - Rotameter ;
- Environmental conditions: - Operating temperature: 5°C to 30°C - Relative humidity: 20% to 90% non-condensing - Atmospheric pressure: 86 kPa to 106 kPa - Maximum altitude: 2000 meters (6562 feet) above sea level ;
- ON/OFF button: Main switch with indicator light;
- Power cable: According to NBR14136 with standard IEC three-pole adapter;
- Power/voltage: 2000W / 220V single-phase;
- Dimensions: 410 x 510 x 755 mm (W x D x H);
- Weight: 30 kg;
- Total volume: - Autoclave: 1.0 to 15 liters - In situ: 55 and 170 liters ;

## Benefits and Advantages

- Easy-to-use, versatile, and productive. Allows elaboration of protocols, aseptic sampling and work with different types of cultures in batch, semi-continuous and continuous mode with vessel volumes from 1.0L to 15L. It ensures automation of up to 18 process variables, including cascade functions, different feeding schedules, recipe development, reports generation, remote access and software for up to 20 users, with different levels of access.

## Related Products

