

LOW TEMPERATURE PLANT INCUBATOR



Introduction

The TP-R420C-S/TP-R1000C-S intelligent artificial climate incubator for animals and plants can accurately control temperature, humidity, and light intensity, providing an ideal artificial climate environment for various experiments. The intelligent artificial climate incubator for animals and plants can be used to study the effects of low and high temperature stress on the growth of plants and crops, as well as research on high and low temperature germination of economic crop seeds, seed seedling cultivation, seed germination, plant cultivation, microbial cultivation, mycelial cultivation, etc.

Features

- Intelligent control system: Temperature, humidity, and light intensity can be precisely controlled.
- Abnormal alarm reminder: The device has the functions of opening the door overtime alarm, temperature overrun alarm, and sensor failure alarm.
 - A number of safety protection functions: with leakage protection, fault circuit protection, over-temperature protection, compressor overload protection, current overload protection and other functions.
- Power-down memory function: After a power failure, the original working state can be continued when the machine is turned on again.
- Time period setting function: Multiple time periods can be set, and the running time of each time period can be set separately.
- Defrost function: defrost on demand and precisely control the temperature of the chamber.
- Sterilization function: ultraviolet sterilization, automatic shutdown of sterilization function at the end of the set time.
- Remote data viewing: Support APP, WeChat, and cloud platform to remotely view data and curves.

Model Comparison

model	TP-R420C-S	TP-R1000C-S
temperature range	When closed: -15~50 ℃ When activated: -5~50 ℃	When closed: -15~50 ℃ When activated: -5~50 ℃
Temperature fluctuation	± 0.1 (test data when the operating temperature of the box is 25.0 ℃ and the humidity is 50% RH)	± 0.3 (test data when the operating temperature of the box is 25.0 ℃ and the humidity is 50% RH)
Temperature uniformity	≤ ± 0.5 (test data when the operating temperature of the box is 25.0 ℃ and the humidity is 50% RH)	≤ ± 1 (Test data when the operating temperature of the box is 25.0 ℃ and the humidity is 50% RH)
Humidity range	50-95% RH, no humidity control below 10 ℃	50-95% RH, no humidity control below 10 ℃
Humidity fluctuation	± 2% RH (test data when the operating temperature of the box is 25.0 ℃ and the humidity is 50% RH)	± 3% RH (test data when the operating temperature of the box is 25.0 ℃ and the humidity is 50% RH)
Lighting method	3-sided side light source	3-sided side light source
Light intensity range	0~22000LX (higher illumination can be customized)	0 ~ 22000LX
Intensity level	0 ~ 100%	0 ~ 100%
External dimensions	762*765*1900mm	1552*765*1940mm
Internal dimensions	635*560*1165mm	1415*560*1165mm
Comprehensive maximum power	1200W	2500W
Input power supply	AC220V/50Hz10A	AC220V/50Hz16A