



Climate Chamber Phytotron



FIT - 17 - HTL

Really for Climate Change!

In many research fields it is required an advanced and flexible system to generate Humidity, Temperature and Light profiles.

With this environmental chamber you can:

- Simulate extreme environmental conditions.
- Grow plants and tissues.
- Research on how vegetables species are affected by adverse environments.
- Accelerate tests of climate change on vegetable systems..
- Experiment with artificial light (Red or Blue spectrum) on plant growth.



General Features

- 5" Full Color Touch Screen
- Trends and graphics of variables (T, RH and Light)
- Data logging and downloading to Excel (SD Memory)
- Control from the touch panel
- 15 step profiles for Temperature, Humidity and Light.
- Preset of alarms and notifications.
- Programmable clock and calendar actions.
- Temperature control with gradient: 2 to 47°C ± 1°C.
- Humidity control from 50 to 90%.
- Three temperature sensors located on different positions in the chamber.
- Normal ac outlet connection



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¿Special requirements?

You can talk to us for special features not included but require .

This is one of the advantages of dealing with designers.

Technical Specifications

Power:	115 V 60Hz.
Dimensions:	180 x 71,7 x 78 cm (external)
Weight:	150 kg aprox.
Size:	15 Ft
Capacity:	347 Liters
Cooling system:	Multiflow
Airation:	Forced flow fan.
Compartments:	Wire trays, removable.
Isolation:	Rigid Polyurethane foam.
Interior:	Thermo formed Polyestiren.



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Control

Temperature	2 to 57°C.
Humidity	0-99RH.
Light	0- Max power.

Screen

Touch, 5", Color, TFT.
SD memory for easy data extraction.
Clock and calendar
Alarms y events programs.

Optionals

- Fan for strong wind simulation.
- Water Irrigation system for hevay rain siimulation.
- Higher light or heating levels.
- Monitoring Software.



Other Products

- Malt, Beer, Soda Pilot Plant
- Algae Biofuel Pilot Plant.
- Bioethanol Plant.
- Inverted Pendulum.
- Speed, position and generation plant.
- PLC trainer (Generic, AB, Siemens, e.t.c.).
- Solar heating system.
- Hydrogen cells trainer.
- Solar and Wind energy trainer.
- Water supply plant.
- Motor-generator plant.
- Drives.
- SCADA.
- Other didactic process (in preparation)
- Motor-generator.