

Product Name :
Plant Growth Chamber**Product Code :**
ALABS-A63-006**Description :****Plant Growth Chamber**

- LGC Series of Growth Chambers are ideal for agriculture or biotechnology testing growth of plants in an artificial climatic condition.
- It controls temperature, relative humidity and illumination.
- The wide variety of temperatures and light intensity patterns that are essential in plant research can now be accurately reproduced and controlled with the updated range by Plant Growth Chambers
- Digital PID Controls Temperature, Humidity and Illumination.
- 11 Segments, 999 Cycles Programmable or Continuous Operation.
- Accurate temperature control by 0.1°C accuracy and 0.5°C uniformity.
- Humidity Control from 30 ~ 98 % RH by 3 % RH accuracy.
- Illumination from 0 ~ 20,000 Lux by 6 to 8 Steps of gradation (Option Max. 40,000 Lux).

- Maximum and uniform light distribution through the chamber.
- 3-Line back light LCD displays operating status and easy-to-input program pattern.
- Water level controller automatically supply and stop water for humidity control.
- Over temperature protection, low water level alarm, electrical leakage breaker.

Specifications :-

Door Material tempered safety glass door and external door with magnetic packing

Electrical Safety Control

Chamber Material stainless steel polished (SUS 304)

External Material epoxy powder coating

Temperature Safety Control Over temperature protection/Low water level warning & cut-off

Sensor PT100 for temperature/Electronic sensor for humidity/Lux meter for illumination

Program 999 cycle or continuous

Microprocessor Programmable microprocessor PID controller

Control steps

Feature On-delay function by 1 minute of interval

Illumination Range 0-1000 Lux (Optional)

Illumination type from 3-side light bank

Heating Type convection by silent coaxial fan

Humidity Accuracy ±0.1%

Humidity Uniformity ±0.5%

Humidity type Immersed incolony sheath heater

Humidity Range 20-95%RH (altitude less than 2,000 m)

Temperature Accuracy ±0.1°C

Temperature Uniformity ±0.2°C



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