

**Product Name :**  
Plant Growth Chamber**Product Code :**  
ALABS-A115-141**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

**Main controller** programmable microprocessor PID controller

**Control steps**

**Feature** On-delay function by 1 minute of interval

**Illumination Range** 1000 Lux (Optional)

**Illumination type** from 3-side light bank

**Heating Type** convection by silent coaxial fan

**Humidity Accuracy** ±0.5%

**Humidity Uniformity** ±0.5%

**Humidity type** immersed incolony sheath heater

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

**Temperature Accuracy** ±0.1°C

**Temperature Uniformity** ±0.1°C



## Equipments Exporters

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