

# QRLab GROWTH CHAMBER

## Applications

- The growth chamber is suitable for life science studies where photosynthesis take parts in the growth cycle.



**Model: GW-SD**



**Model: GW-DD**

## Features

- Microprocessor control system.
- 24 hours repeated programs for light intensity and temperature. The 24 hours cycle has pre-set to 15 minutes interval for a minimum of half an hour operating time.
- Digital display of 0.1°C resolution show the set and actual temperature of day/night cycle.
- Illumination is provided by long life fluorescent tubes.
- Forced air circulation system give an optimum temperature uniformity throughout the chamber.
- Automatic hot gas defrost system provide accurate temperature control.
- When door is open, door switch will stop to reduce the temperature fluctuation.

## SPECIFICATIONS

Model	GW-SD	GW-DD	GW-TD
Body construction	Powder coated mild steel interior and exterior.		
Cabinet insulation	CFC-free polyurethane insulation		
Controller	PID controller		
Temperature range	0°C to 50°C		
Temperature accuracy	±1.0°C		
Temperature setting	Digital setting and display to 0.1°C		
Heater	800 Watts	1600 Watts	2400 Watts
Safety devices	Over temperature thermostat, overload protection for compressor, ELCB, Hi-Low pressure switch		
Timer	Programmable 24hr timer control the temperature and day/night operation of the chamber		
Illumination	6000 LUX		
Compressor	¼ HP hermetic seal	0.42 HP hermetic seal	¾ HP hermetic seal
Refrigerants	R134a, CFC-free		
Air circulation	Forced air circulation Fan		
Capacity/ Shelves	500 L / 5 shelves	1050 L / 10 shelves	1600 L / 15 shelves
External dimensions (mm)	640Wx825Dx2070H	1260Wx825Dx2070H	1880Wx825Dx2070H
Internal dimensions (mm)	535Wx650Dx1430H	1155Wx650Dx1430H	1770Wx650Dx1430H
Power Supply	240V, 50Hz, 6.6A	240V, 50Hz, 13.0A	240V, 50Hz, 14.5A
Weight	153 kg	220 kg	282 kg