RAKAPOSHI-G Plant Growth Chamber
Temperature, Humidity Illumination

LCD Touch Screen

Download Catalogue

- Light Culture of Microorganism
- Cell Tissue
- Seeding
- Insect and small animal under the control of precise humidity

The COLO RAKAPOSHI-G Growth, Climate Humidity Illumination Test Chambers, are designed to be the ultimate device in your laboratory where you can, under precise temperature, illumination, humidity, conditions, cultivate bacteria for microbial testing, incubating of cell cultures for in vitro fertilization...
Precision temperature sensor, programmable thermo controller, interior and exterior made of high quality materials, will give your work precision and comfort
Forced air circulation microprocessor controlled, provide high temperature uniformity in chamber and protect your samples. High quality corrosion resistant material is ideal for easy cleaning and long term exploitation. The short heat up time saves your time during the work process. High quality insulation prevents heat loss and saves your energy

Independent Humidification
Humidity is uniform

Forced Air Circulation

Programming
30 Segments Program Control

High Temperature Uniformity

Parameter Control by Wi-Fi
.. Optional control working parameter by Smart Phone

Please note
If this Test Chamber match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.

Instrument Type	RAKAPOSHI-G250	RAKAPOSHI-G350	RAKAPOSHI-G450
SKU	PRO4462	PRO4464	PRO4463
Volume Litter	250	350	450
Working mode	Temperature / Illumination/ Humidity		
Air Circulation	Forced Air Circulation (Convection)		
Temperature range	0 - 65°C / with humidification 10 - 65°C		
Standard Wi-Fi temperature controll	Yes		
Temperature resolution	0,1°C		
Temperature uniformity	±1°C		
Temperature motion	±1°C		
Humidity range	40%～95%RH		
Humidity stability	±5%RH		
Humidifying method	Evaporation		
Humidity control	Automatic		
Illumination	Ful Spectrum 0-30000LX LED lamp		
Display controller	30 segments program control, Real time curve of temperature and humidity		
Display type	7.0 Inch true colour LCD touch screen		
Temperature control mode	30 section programs, PID intelligent, sensor deviation correction, self-tuning, Wi-Fi temp controls is optional		
Ramp programming 30 steps	Yes		
Timer	0-9999min with timing wait function		
Test hole	Ø52mm		
Housing	Cold rolling still with electro static spraying exterior		
Temperature sensor	Pt100 A Class		
Humidity sensor	High precision anti-condensation		
Built in UV germicidal lamp	Yes		
Inner chamber light	Yes		
Controlled external power supply	Universal socket (one)		
Inner glass observation window	Yes		
Auto fan speed regulation	Yes		
Self-diagnostic function	Yes		
Independent temperature safety	Yes		
Operation function	Temperature settings, timing function, auto stop, internal parameter locking, temperature correction, auto tuning, parameter memory in the case of electrical cut off, over temperature sound and light alarm		
Standard/Optional shelf number	4/6	4/5	4/5
Shelf Space	120 mm		
Load per shelf (max)	15kg		
Voltage	220V/50 Hz		
Inner chamber size W*L*H mm	600*500*840	620*570*950	630*670*1100
Exterior Size	794*726*1600	814*796*1710	824*896*1860
Packing size mm	894*826*1800	914*896*1810	924*996*2060
NW/Gross Weight kg	76/117	78/119	81/122
Standard Temperature Certificate (optional)	At 40°C in the chamber centre Issued by COLO technical service		
Optional accessories	One or multi point temp, mapping, issued by accredited laboratory, Shelf, RS485 interface, Printer, Program Temperature Control device, Remote control, Wi-Fi remote control, USB data storage, Light box with different light colour illuminate, CO2 Concentration control, SMS Alarm, Smart Phone,		