Multi Gas Constant Temperature & Humidity Chamber

- Maintains oxygen 0% ~ 5% in the chamber
- Product experiments in low temperature fast cooling condition, seeds keeping, environment change experiments of microorganisms, foods, medicines, temperature and humidity variations of electronic parts, corrosion experiments of metals, product experiments in low temperature fast cooling condition such as car parts, rubber, paints, fiber, paper, pulp, cosmetics, etc
- The humidity required for growth of plants is adjustable from 30% to 98%. It is possible to maintain a precise humidity by adopting electronic humidity.
- It has the mode to set operating temperature of the freezer. Therefore, it can prolong the life of the freezer by automatically preventing to operate at an unnecessarily high temperature.
- Multiple gas control device available for installation (CO2, CO, NO, O2, O3, N2), Other control sensors available for installation (Option)

DS-543-CO



Option Accessories

Digital recorder



2 Channel recorder



PC connect Kit



Controller



		DS - 543-CO
Main controller		Programmable 11step, Microprocessor LCD displayed, Auto-tuning multi-functional P.I.D controller (Temp, Light Cycle, Time)
Temperature	Range	-20℃ to 60℃
	Accuracy	±0.5℃ at 10℃
Humidity	Range	30 to 98% RH at 50℃
	Accuracy	±2% at 70% (30℃ standard)
	Humidifier	Evaporation by motor (SUS316 pipe heater)
Dimensions (WxDxH)mm	In / Out	1000 x 800 x 1000 / 1540 x 1280 x 1985
	Capacity	800 L
Material	In / Out	Stainless steel (SUS 304) / Steel plate with powder coating(SCP-1)
	Door	Magnetic packing door with tempered glass viewing window
Safety system		High & low temp. switch, Water-level monitor, No fuse breaker switch
Compressor		3HP
Shelves		SUS 5ea, Individually adjustable 1"centers
De-humidity heater		Silicon heater 80W x 2ea
Power(AC220V, 60Hz)		1phase, 7Kw
Option Accessories (with multi gas sensors controller)		
CO_2		350 ~ 5000 ppm / Dual-Bean non dispersive infra-red sensor or 0 ~ 20%
CO		0 ~ 150 ppm
NO		0 ~ 100 ppm
O_2		0 ~ 99.9% Volume / 2FO oxygen citicel gas sensor
O_3		0 ~ 1 ppm
N_2		0 ~ 100% volume
Others		Regulator, Cylinder with gas
LPG/NG sensor, H2 sensor, RFGs sensor, Smoke sensor, HYD sensor, NOX, VOCs etc.		