Precision refrigerated cabinets "Hotcold GL"

FORCED AIR CIRCULATION.
DIGITAL ELECTRONIC CONTROL OF TEMPERATURE,TIME AND HUMIDITY.
SUITABLE FOR TEMPERATURES FROM 5 °C TO 50 °C.

PRECISION TABLE

STABILITY	±0.5 °C
HOMOGENEITY	±1 °C
SET ERROR	±1 °C
RESOLUTION	0.1 °C

SAFETY:
SAFETY STANDARD:CONFORMS TO THE DIN 12880.2.
ADJUSTABLE OVER TEMPERATURE CUT OUT FITTED THAT CUTS OFF HEATING IF OVER TEMPERATURE FAILS, MANUAL RESET.

APPLICATIONS

Refrigerated climate cabinet for botany testing of plants flowers, seed germination, photosynthesis agriculture etc. that require control of temperature, humidity and light.
Specifically designed with four function modes:

Mode A: Refrigerated incubator from 5 °C to 50 °C.
Mode B: Refrigerated incubator with illumination from 10 °C to 50°C
Mode C: Refrigerated incubator from 18 °C to 40 °C with an adjustable humidity range from 50 to 98%.
Mode D: Refrigerated incubator with illumination from 18 °C to 40 °C with an adjustable humidity range from 50 to 98%.

		Mode A	Mode B	Mode C	Mode D
Humidity		NO	NO	YES	YES
Illumination		NO	YES	NO	YES
Temperature range		5 / 50 °C	10 / 50 °C	18 / 40 °C	18 / 40 °C
Stability		±0.5 °C	±0.5 °C	±0.5 °C	±0.5 °C
Homogeneity		±1.0 °C	±1.0 °C	±1.0 °C	±1.0 °C
Resolution		0.1 °C	0.1 °C	0.1 °C	0.1 °C
Set Error		±1.0 °C	±1.0 °C	±1.0 °C	±1.0 °C
Humidity range		-	-	50 / 98% Hr	50 / 80% Hr
Illumination range (Choice of 3)		-	0 / 4 K / 12 K lux	-	0 / 4 K / 12 K lux
Humidity resolution		-	-	1%	1%
Humidity precision	50 - 75%	-	-	±3%	±4%
	75 - 80%	-	-	±4%	±5%

FEATURES

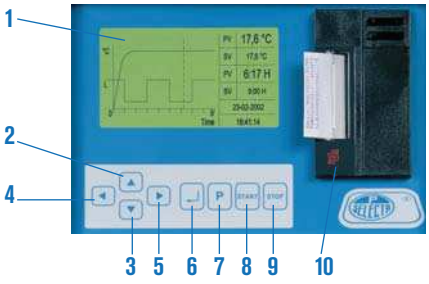
Exterior case, door and interior made from AISI 304 stainless steel. Reversible door can be fitted to open from either side, with automatic closing if left open.
The door interior supplies fluorescent illumination to the chamber, the power of which can be selected as 0 / 4K or 12 K Lux.
Hermetically sealed compressor with anti vibration mounts with fan forced evaporation unit with ventilated condenser.
Fan circulated homogeneous temperature.
All operation modes are programmable in up to 5 cycles of which each cycle can be programmed at 1 hour intervals. These cycles can be repeated indefinitely or can be manually terminated.
The humidity is constant during the program.
There are 10 Program storage memories of all parameters.
The fan, temperature radiator and two thermal safety internal electrical sockets are located in the upper chamber.
Two external ports are located on each side for the introduction of tubes and cables for other diverse applications.
A humidity tray is located at the back of the unit for controlling humidity and is generated through evaporation.
RS-232 Interface output for a computer, printer or USB adapter.

CONTROL PANEL

1. Graphic display.
2. Push button increase value.
3. Push button decrease value.
4-5. Push button move cursor.
6. Push button, validate set value.
7. Push button set program.
8. Push button start.
9. Push button stop.
10. Printer for time and temperature (Optional). Part No. 2101508, (needs to be factory fitted).

STANDARD EQUIPMENT

2 shelves and 8 brackets.



ACCESSORY

USB adapter model.
Pen-Drive included (Memory board) for data storage.
Part No. 4120131

Printer shows temperature and time. Needs to be factory fitted.
Part No. 2101508

SPARES

Part No.
1001801 **Brackets (4) (Set)**
1001806 **Shelves**
Each self requires 4 brackets i.e. one set.

MODEL

HOTCOLD	Part No.	Range °C	Capacity litres	Height / Width / Depth (interior) cm	Height / Width / Depth (exterior) cm	Number of shelves	Motor HP	Power W	Weight Kg
GL	2101507	5 +50	600	138 58 69.5	208 75 115	14	3/8	950	265

NOTE: The HOTCOLD has internal power sockets that allow the use of a non-heating mixer shaker or stirrer or equipment for BOD assays to be powered internally. Alternatively power cables can be fed through external ports at each side of the unit. See chapter Mixers stirrers and shakers.