



Operations Manual

Item: B1450 (-E) V1.0 UV-Clave Disinfection Chamber

For Research Use Only
(Not intended for medical/hospital use)



I. Specifications:

UV Bulbs: 6 x 4W
UV Wavelength: 254nm
UV Intensity: +500µW/cm² (Center Chamber)
UV Doseage (Max) 600mJ/cm² (20 min cycle)
UV Timer: 5-20 minutes (5 min. increments)
***Recommended Dose:** 150mJ/cm² (5min.)
Heater Timer: 30-120 min. (30 min. increments) or 240 min.

Internal Dimensions (wxdxh):
8.5 x 10.1 x 12.2 in. / 21.6.x25.6x31.8 cm

Dimensions (wxdxh):
11.5 x 10.5 x 15.7 in. / 29.2x26.7x40 cm

Maximum Sample Height: 30cm
Shelf Dimensions: 10 x 8 in. / 25.4 x 20.3
Shelf Material: 2: Stainless steel wire
1: Proprietary UVC Transmissible

Weight: 11lbs. (5kg)
Electrical: 120V, 60HZ or 230V, 50Hz, 110W
Warranty: 2 years
Operating environment: 20°C to 45°C

*Commonly recommended dose for +4-log (99.99%) deactivation

II. Product Set-Up:

Place the chamber on a clean and stable surface. (Ensure that there is at least 3 inches of open space both in front of and behind the instrument.) Plug the instrument into an outlet of the appropriate voltage.

Open the chamber door and install the desired shelves. Carefully Place the object/sample on the shelf. CAUTION: Internal UV bulbs have a thin glass casing. ALWAYS take care not to damage/contact the UV bulbs with hands or inserted objects. When using wet objects, ALWAYS place the UVC Transmissible shelf (clear shelf) in the lowest shelf position. This will prevent any dripping from contacting the bottom bulbs.

III. Product Operation:

Press the Power (ON/OFF) button, the display is illuminated. Choose from one of the three modes below, by pressing the corresponding button:

UV: Provides timed UV exposure
Dry: Heats chamber to 55C
Auto: Heat + 10 min UV exposure

To adjust the time of any mode, press the mode button repeatedly and allow the desired time to store for 3 seconds. Once stored, the cycle starts. Following a cycle, the alarm will sound and the objects/samples can be removed. ALWAYS take care not to damage/contact the UV bulbs when removing objects/samples objects.



Caution: Hot surface! Once a drying cycle has started, internal surfaces may become hot. ALWAYS avoid bodily contact or personal injury may occur.



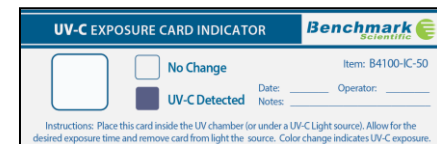
Caution: UV Light! UV Light can be damaging to the eyes or skin. Always ensure that the door is fully closed before starting a cycle and avoid any direct contact with UV light.

IV. Maintenance and Service:

To ensure performance and longevity of the instrument please keep the outer body and chamber clean. To clean the instrument, disconnect from power source and use a lint free rag to wipe down all surfaces when cool. Do not immerse in water or spray cleaner directly on the instrument.

Indication cards are available to confirm proper UV light exposure within the chamber. These cards (or sticker indicators) can be used with each cycle to confirm and/or document proper exposure. We recommend using these indicators regularly (with each cycle) or monthly to confirm proper function of UV bulbs.

Spare Parts and Accessories:
B1450-BULB: Spare UV Bulb B1450-F: Spare Air Filter
B1450-IC: UV Indicator Card B1450-ISS: UV Indic. Sticker



Item:
B1450-IC



In the event that service or technical support is required, please contact **Benchmark** by phone at **1-908-769-5555** or by email at info@benchmarkscientific.com.