

## **UV Incubator UI 950**

Incubation and UV sterilization in benchtop format

- Microprocessor controlled incubation temperature
- LED display for easy operation
- Easy to clean interior made of stainless steel



# UV Incubator UI 950

## Product description

The UV incubator UI 950 provides precise temperature control and uniformity for the incubation of biological assays, fungal, bacterial cultures, eggs and other samples up to 68°C. The instrument is equipped with built-in overhead shortwave 254nm UV tubes for sterilization of the incubation chamber between experiments. By utilizing the germicidal properties of UV light, eliminating viable fungi, bacteria and yeast cross contamination between experiments is made easy.

For personell protection the incubator door blocks UV light and will not allow UV radiation to pass through. The germicidal lamp will shut off if the door is opened. There is no risk of damage to unprotected eyes and skin by the powerful source of UV radiation. For safety, the UV incubator UI 950 provides an automated process for decontamination by high-intensity shortwave UV light. Furthermore, the interior of the instrument is made of stainless steel and is easy to clean with non-abrasive mild detergents. The instrument is delivered with two shelves made of stainless steel that can be adjusted at three different positions. This flexibility can be used for simultaneous incubation of various samples of different heights.

## Features

- Microprocessor controlled incubation temperature
- LED display for easy operation
- Heating element and fan that generate uniform temperature throughout the chamber
- Temperature range: Ambient +3°C to 68°C maximum; Accuracy:  $\pm 0.5^{\circ}\text{C}$
- Temperature uniformity:  $+0.5^{\circ}\text{C}$  at 37°C
- Decontamination of the chamber between growth experiments with the overhead shortwave 254 nm UV sterilization
- UV safety switch and key lock for preventing exposure to UV
- The door made of clear polycarbonate for easy viewing of samples and protection against UV light
- Two ventilated shelves included or remove the shelves to stack up to 150 x 10cm plates
- Easy to clean interior made of stainless steel
- Exterior made of robust powder coated aluminum



## Technical data

Temperature	
Range	Ambient +3°C to 68°C
Sensor	LM345 Integrated Temperature Sensor
Controller	PI
Setpoint	Digital
Display	Digital LED
Accuracy	±0.5°C
Uniformity	+0.5°C at 37°C
Average Relative Humidity (Interior)	~ 80%
Unit Heat Load	
Typical operation	Incubation
Heating Element	1,250 Watts 3,923.9628779 BTU/hr (115V, 10A) 4,265.1777 BTU/hr (230V, 10A)
Dimensions	
Exterior W x H x D	44.5 x 43.2 x 35.6 cm
Interior W x H x D	35.6 x 27.2 x 27.7 cm
Shelves	
Dimensions (W x D)	33.8 x 21.6 cm
Construction	Formed stainless steel
Surface area	729.35 cm <sup>2</sup>
Construction	
Interior volume	26.9 liters
Interior	Stainless steel
Exterior	Aluminum powder coated
Door	Acrylic
Weight	21.3 kg
Electrical	
115 V	60 Hz
230 V	60 Hz
110 V	50/60 Hz
Additional Specifications	
Pollution degree	2%
Installation Category	II
Working conditions	5°C to 40°C, max. 2,000m
Indoor Use	Incubator is designed for operation inside a building only
Main supply	Not to exceed 10% of the nominal supply voltage
Maximum power consumption	1,150 Watts

## Order information

Order number	Instrument
849-30005-2	Ultraviolet Incubator UI 950, 230 V (UK and Euro)
849-30005-3	Ultraviolet Incubator UI 950, 230 V (Euro plug)
849-30005-4	Ultraviolet Incubator UI 950, 115 V (US plug)
849-30005-5	Ultraviolet Incubator UI 950, 100 V (US plug)
Order number	Accessories
849-30200-0	Key, replacement
849-00015-0	Tube, 8-watt, 254nm shortwave germicidal
849-30201-0	Shelve, stainless steel ventilated
849-20602-0	Face Shield, UV blocking (UVC-803)
849-00011-0	UVX Radiometer
849-00012-0	UVX Sensor (UVX-25)