



Irradiation Hood BS-07



Fig. 1: UV irradiation hood BS-07

The irradiation hood BS-07 is a mid-size robust equipment for time- or dose-controlled uniform irradiation of samples with UV or visible light. The hood can be easily integrated into production systems with through-running products by its downside open design. The hood can be fully equipped for one of the spectral ranges UV-C, UV-B, UV-A or daylight D65 in order to get the highest irradiances. Alternately, the use of two separately controlled lamp groups for different spectral regions allows an especially flexible operation of the chamber. The irradiated footprint has a size of 44x50 cm.

The optional irradiation controller UV-MAT (see separate product sheet) controls the dose for two different spectral regions independently. The UV-MAT measures the dose with precise sensors calibrated against a PTB (Physikalisch-Technische Bundesanstalt) reference (see product sheets: Radiometer UV and VIS Sensors).

Applications

- Irradiation of printed circuit boards or wafers
- Irradiation of bacteria and cell cultures
- UV curing, sealing and hardening

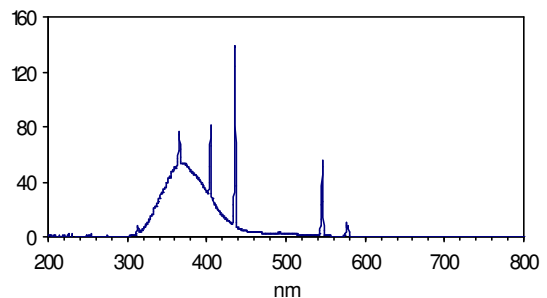


Fig. 2: Typical spectrum of a UV-A lamp

Technical Data

Irradiated area:	about 440 x 500 mm
Irradiance:	> 10 mW/cm ² UV-A
Dimensions:	732 x 620 x 270 mm
Weight:	about 35 kg
Mains:	230 VAC, 3 A
Power consumption:	about 400 W
Operation temp.:	10 to 40 °C
Humidity:	< 80%
	Non-condensing

Part number

Irradiation hood BS-07 UV-A 860807

Options:

- Spectral ranges UV-C, UV-B, UV-A or daylight D65
- 2 spectral ranges
- Dose controller UV-MAT

Please indicate options and spectral regions at ordering.

Warning

UV radiation can be harmful. Please use proper protection measures.

