Dr. Gröbel
UV-Elektronik GmbH
we apply photonics.

Irradiation Chamber BS-02

Fig. 1: UV/VIS Irradiation Chamber BS-02

The irradiation chamber BS-02 is a compact, robust equipment for the time- or dose-controlled uniform irradiation of samples with UV or visible light. The chamber can be fully equipped for one of the spectral regions UV-C, UV-B, UV-A or daylight D65 in order to get the highest irradiance. Alternately, the use of two separately controlled lamp groups for different spectral regions allows an especially flexible operation of the chamber.

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 bacteria and cell cultures
- Photostability testing
- UV and daylight materials testing
- UV curing, sealing and bonding

Lamp	Irradiance / Illuminance			
	UV-C mW/cm²	UV-B mW/cm²	UV-A mW/cm²	VIS klx
UV-C	8	0.1	0.1	2
UV-B	0.1	4	3	3
UV-A	-	0.1	5	2
D-65			0.2	20

Table: Typical irradiances with a single lamp type

Technical Data

Interior height:	29 cm
Dimensions:	55.5 x 40 x 43 cm
Irradiation area:	40 x 29 cm
Weight:	32 kg
Mains:	230 VAC, 2A
Power consumption:	130 W
Operation temperature:	10 to 40 °C
Humidity:	< 80%
	Non-condensing

Part number

Irradiation chamber BS-02 860802
Options:
- 2 spectral regions
- Irradiation controller UV-MAT

Please indicate options and spectral regions at ordering.

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