

## UV-Light Intensity Tester UV-2500 II

Art.No.: 146.000.100



This device is a portable measuring instrument perfectly suited to measuring black light rays within the range of 365 to 400 nm. Due to its construction it is possible to measure the light distribution graph. The device is equipped with a silicone photo diode which is black light resistant and assures a long service life. The measurement scale is fluorescent dye coated so that measuring results can easily be read even in darkened rooms.

## Operator's manual:

1. Pull out switch **1** to have the device ready for work. After finishing the measuring task, this switch should be pushed back in the "Off"-position in order to save energy.
2. Perform Zero-adjust by use of the turning knob **3**; exposure of the probe by UV-light should be avoided during this operation.
3. Select one of the measuring ranges 2500/10000  $\mu\text{W}/\text{cm}^2$  by use of switch **2**. Make use of the smaller measuring range in order to obtain, as accurately as possible, readings of high precision.

The power supply of UV-2500 II is give by 2 pcs. lithium batteries, 3 V each. Under normal working conditions the life time of the batteries is min. 1 year. During the yearly comparison measurements which are recommended to be performed in our laboratory, the batteries will be replaced. Further you will get a certificate of conformity with all measuring results and checks performed.

## Technical Data

Measurable wave length	365 $\pm$ 35 nm
Ranges of intensity	0 – 2.500 $\mu\text{W}/\text{cm}^2$ 0 – 10.000 $\mu\text{W}/\text{cm}^2$
Deviation	$\pm$ 2,5 %
Power source	2 pcs. lithium batteries, 3 V ea.
Power consumption	max. 7,8 mW
Dimensions of the device	60 x 100 x 145 mm
Dimensions of the probe	20 x 50 x 11 mm
Sensor diameter	7 mm
Weight	about 500 g