



Light intensity meter

Curious whether you have the right lighting conditions for your plants or animals? Are your lamps not starting to get too old? Now you know in a split second! Thanks to this affordable high quality lux meter. Just place the sensor in any spot in your vivarium or greenhouse and see the reading on the display.

Scope of delivery

Luxmeter, built in battery, rugged keeping and carrying bag, users manual.

Technical data:

Measuring range: 0,1 up to 50,000 lux

Accuracy: +/- 5%

Repeatability: +/- 2%

Measuring rate: 1.5 times per second, nominal

Voltage supply: 12V alkaline batteries of type A23

Dimensions photoelectric sensor: 115x60x27 mm

Dimensions main device: 188x64.5x24,5 mm



Light is the most important factor for plants to grow and flower in the vivarium. Plants cannot grow when they receive a light-intensity of less than 1000 lux. Light-intensity decreases quadratic with distance. The intensity of a fluorescent lamp with a distance of 40 cm to the plants is already less than 1000 lux.

Lumen is the measurement of the intensity that a lamp has on its surface.

Lux is the measurement of the intensity at a certain distance from this lamp, or the sun. To give an idea of what Lux values stand for:

1 lux: 1 candle

50 lux and up: ground floor tropical rainforest

150 lux: minimum value for working conditions in an office

500 lux: minimum value for working in a laboratory

1000 lux: minimum value for ferns to grow

3000 lux: minimum value for most bromeliads to grow

5000 lux: minimum value for most orchids to grow

10000 lux: minimum value for most Tillandsia and cacti

10000 lux: straight under the canopy

(under the leaves of the giant tropical trees of the rainforest)

60000 lux and up: above the canopy in the sun