



UV METER | DIGITAL | EASY TO OPERATE

The Scandico Systems Digital Radiometer, model EC1 UV-A, is a small, handy and extremely easy-to-use instrument for accurate measurement of radiation over a range of 0.001-2,000 W/m² with both automatic zeroing and on/off switch, the only controls needed are a four-position range selection switch and a hold button for retaining the display value. Each radiometer model comes with a carrying case, instructional brochure, and 9V battery.

Meets EN **ISO 3059** standards for non-destructive testing. A serialized Certificate of Conformance and Validation Report are included.

Technical specification

Detector : Silicon photodiode

Measuring range : 0.001-2,000 W/m² (0.1-200,000 μW/cm²)

Spectral sensitivity : 315-380 nm

Accuracy : Better than ±4% (±1 in last digit)

Power Supply : 9 Volt battery type PP3 Alkaline

Dimensions : 135 x 75 x 35 mm or or 5.3" x 2.9" x 1.4

Weight: 0.19 kg or 6.7oz.

Temperature drift: <21°C +0.25% / °C

>21°C -0.15% / °C



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KEY FEATURES

Operation

To open the lid, press the forward part lightly downward with your thumb and at the same time pull the latch upwards with the first two fingers of the same hand. The Radiometer comes on when the cover is opened and turns off when it is closed. Move the range switch to the range which will give the greatest accuracy and read the display. The hold function keeps the reading on the display until the hold button is released.

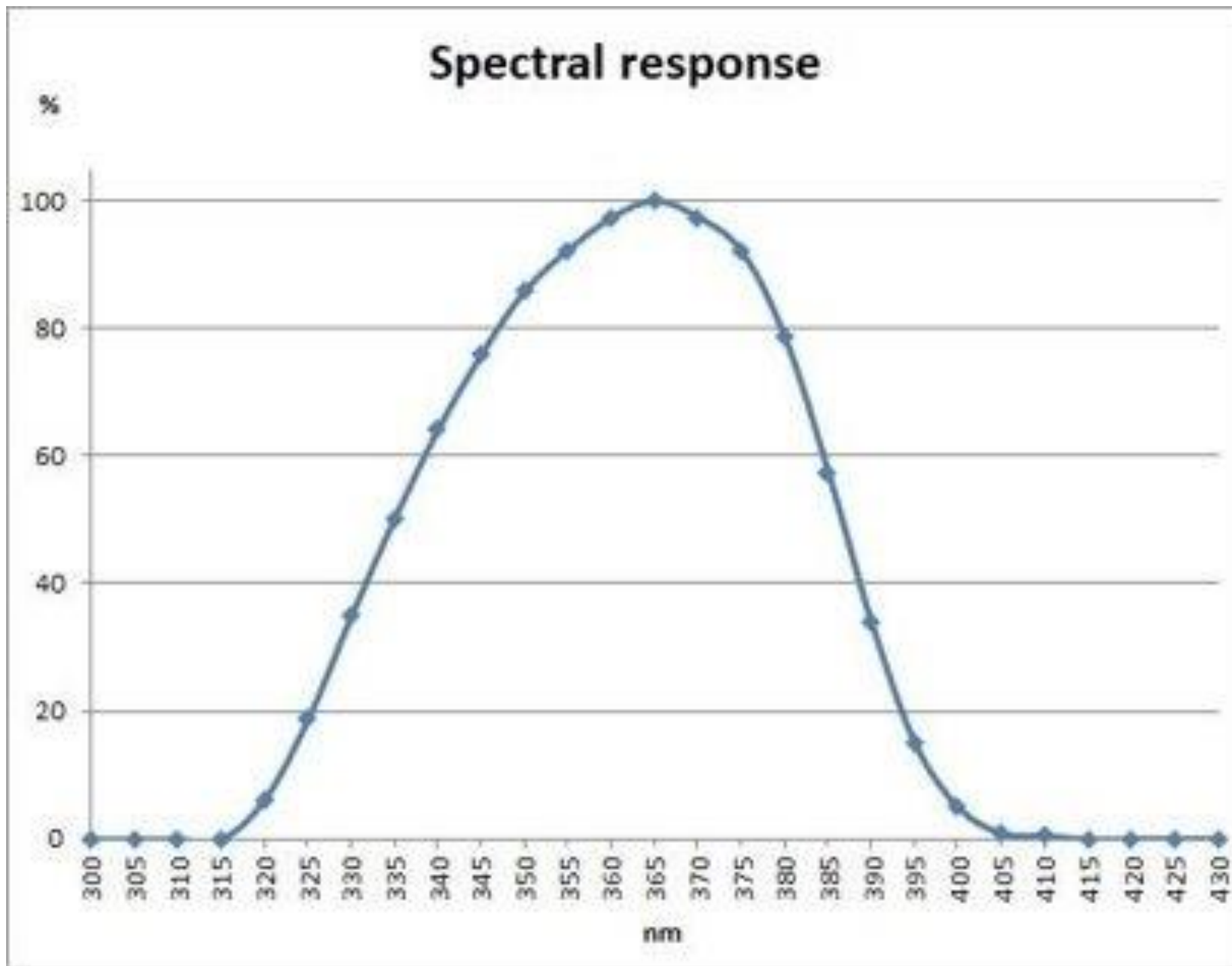
Full instructions can be found on the inside of the cover.

Maintenance

The power source is a standard 9 volt battery. To avoid battery leakage only alkaline batteries should be used. When LOBAT appears on the display, it is time to replace the battery. However, the Radiometer can be used for approximately 20 hours longer before replacing is necessary. Change the battery by removing the screw at the front edge of the cover plate, which permits the plate to be lifted up and removed. When replacing it the lower edge of the plate must fit under the two bosses at the lower edge of the case before it can be closed again. The white plastic disc over the detector may be cleaned when necessary with a light damp cloth.

Calibration

The Radiometer is carefully calibrated when it is delivered. Intervals of recalibration may be 1-2 years, depending on the intensity of the radiation to which the detector is exposed, time intervals of exposure and the general environment in which the instrument is used.



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