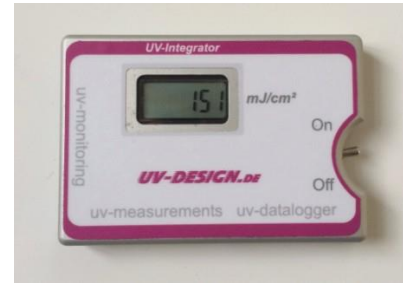


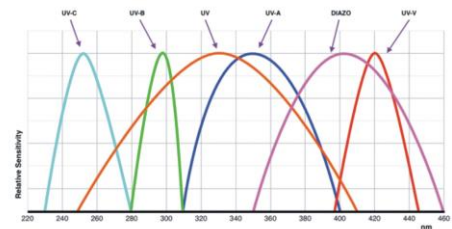
UV-Integrator 151 The mini UV-Integrator X10



The UV-Integrator 151 is a high quality UV measuring instrument. It is used to measure UV energy of different light sources, especially on printing machines. It is ideal to ensure quality control of printing and drying processes. Small size, heavy duty pass-through Integrator with very small dimensions. It is reliable and simple to use.

The UV-Integrator 151 is available in various different measuring ranges*:
(Please state upon order)

| | |
|---|--------------|
| Item 7.11 UV-Integrator 151, Type 11, Diazo | 350 – 460 nm |
| Item 7.21 UV-Integrator 151, Type 21, UV-A | 315 – 400 nm |
| Item 7.31 UV-Integrator 151, Type 31, UV | 250 – 410 nm |
| Item 7.41 UV-Integrator 151, Type 41, UV-B | 280 – 315 nm |
| Item 7.51 UV-Integrator 151, Type 51, UV-C | 230 – 280 nm |
| Item 7.61 UV-Integrator 151, Type 61, UV-V | 395 – 445 nm |



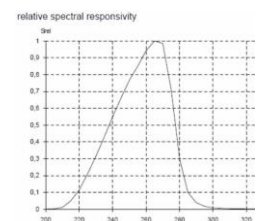
*further spectral ranges available upon request

By addition of the incidence of the light quantities during the exposure cycle, relative values are calculated. Because of uneven radiation distribution of the UV light source and different type of construction of the measuring devices by different manufacturers, different readings may appear under the same measurement conditions.

Technical Data:

| | |
|-----------------------|--|
| Spectral range: | UV-C 230 –280 nm |
| Measuring range: | 0 to 500 mW/cm ² |
| Display: | 6-digit LCD |
| Display range: | 0 to 99,999 mJ/cm ² |
| Power source: | long life 3.6 V Lithium Battery |
| Power consumption: | 100 µA |
| Battery service life: | 10,000 hrs |
| Dimensions: | 3" x 2" (80 x 55 mm) height .5" (12 mm) |
| Weight: | approx. 3.5 ounce (100 grs.) |
| Temperature range: | 0 to 45° C |
| Heat protection: | Heat shield on back plate |
| Base Accuracy: | ± 5 % |

In the standard version it is measuring an integral in the spectral range from 230-280 nm, with a peak at the area of 265 nm.



While on the conveyer belt, the UV-Integrator 151 can withstand max. 110° C / 230° F for up to 10 seconds. The temperature of the housing should not exceed 45° C / 113° F.

Calibration:

In order to keep its full function and precision it is recommended to have re-calibration done once per year. Re-calibration will also be necessary after change of battery. Ongoing, PTB traceable calibration with certificate

Warranty: 2 years from the date of purchase, for the German quality battery we guarantee one year

Subject to change without prior notice © 2016-10

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