

THE WIDE RANGE OF UV - IR TECHNOLOGY



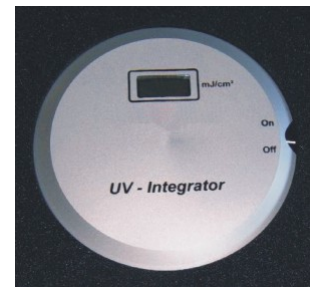
UV-Integrator 12

The UV-Integrator 12 is a high quality UV measuring instrument. It is used to measure UV energy of different light sources, especially in the CD/DVD production. It is ideal to ensure quality control of printing and drying processes.

Small size, heavy duty pass-through Integrator. With its round shape and a diameter of only 4.7" (120 mm) CD size it bears a small risk to get stuck somewhere inside. It is reliable and simple to use.

The UV-Integrator 12 is available in five different measuring ranges:
(Please state upon order)

Item 37.1 UV-Integrator 12, Type 1 UV-Diazo	350 – 460 nm
Item 37.2 UV-Integrator 12, Type 2 UV-A	315 – 400 nm
Item 37.3 UV-Integrator 12, Type 3 UV	250 – 410 nm
Item 37.4 UV-Integrator 12, Type 4 UV-B	280 – 315 nm
Item 37.5 UV-Integrator 12, Type 5 UV-C	230 – 280 nm



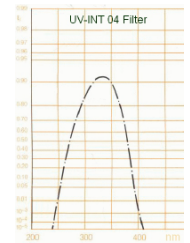
By addition of the incidence of the light quantities during the exposure cycle, relative values are calculated.

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 even under the same measuring conditions.

Technical Data:

Spectral range:	UV 250 – 410 nm (Standard)
Measuring range:	0 to 5,000 mW/cm ²
Display:	6-digit LCD
Display range:	0 to 999,999 mJ/cm ²
Power source:	long life 3.6 V Lithium Battery
Power consumption:	100 μ A
Battery service life:	10,000 hrs
Dimensions:	Ø 4.7" (120 mm), height ½" (12 mm)
Weight:	approx. 9 ounce (260 g.)
Temperature range:	0 to 45° C / 32 to 113°F
Heat protection:	Heat shield on back plate
Base Accuracy:	± 5 %

In the standard version it is measuring an integral in the spectral range from 250-410 nm, with a peak at the area of 330 nm.



While on the conveyer belt, the UV-Integrator 12 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. PTB traceable calibration

Warranty: 2 years from the date of purchase

Subject to change without prior notice © 2006-09