

# THE WIDE RANGE OF UV - IR TECHNOLOGY



## UV-Integrator 07

The UV-Integrator 07 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.

With its diameter of only 2.75" (70 mm) is it one of the smallest pass-through Integrators available. Due to the round shape it bears a very small risk to get stuck somewhere inside. It is reliable and simple to use.

The UV-Integrator 07 is available in five different measuring ranges:

(Please state upon order)

Item 7.1 UV-Integrator 07, Type 1 UV-V (Diazo)	350 – 460 nm
Item 7.2 UV-Integrator 07, Type 2 UV-A	315 – 400 nm
Item 7.3 UV-Integrator 07, Type 3 UV	250 – 410 nm
Item 7.4 UV-Integrator 07, Type 4 UV-B	280 – 315 nm
Item 7.5 UV-Integrator 07, Type 5 UV-C	230 – 280 nm



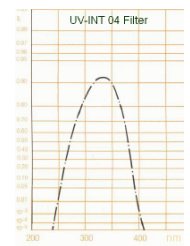
By addition of the incidence of the light quantities during the exposure cycle, relative values are calculated.

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 under the same measurement conditions.

### Technical Data:

Spectral range:	UV 250 – 410 nm
Measuring range:	0 to 5,000 mW/cm <sup>2</sup>
Display:	6-digit LCD
Display range:	0 to 999,999 mJ/cm <sup>2</sup>
Power source:	long life 3.6 V Lithium Battery
Power consumption:	100 µA
Battery service life:	10,000 hrs
Dimensions:	Ø 2.75" (70 mm), height ½" (13 mm)
Weight:	approx. 4 ounce (120 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 250-410 nm, with a peak at the area of 330 nm.



While on the conveyer belt, the UV-Integrator 07 can withstand max. 110° C / 230° F for up to 10 seconds. The temperature of the housing should not exceed 45° C / 112° 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 acc. to DIN EN ISO / IEC 17025 with certificate

### Warranty:

2 years from the date of purchase

For the German quality battery we guarantee one year

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