

UV-Integrator 140x10

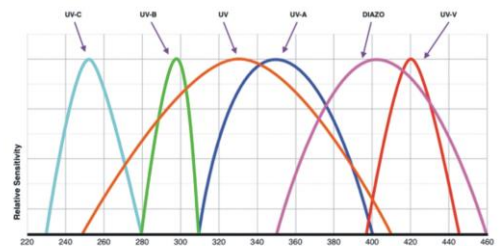


The UV-Integrator 140 is a high quality UV measuring instrument. It is used to measure UV energy of different light sources, especially on printing machines. It was specially designed with a recess in the housing for better handling. It is ideal to ensure quality control of printing and drying processes. This instrument measures with a 10-fold higher sensitivity than the standard instrument.

Big size, heavy duty pass-through Integrator with a diameter of 140 mm. It is reliable and simple to use.

The UV-Integrator 140x10 is available in various different measuring ranges*:
(Please state upon order)

Item 9.11 UV-Integrator 140, Type 11, Diazo	350 – 460 nm
Item 9.21 UV-Integrator 140, Type 21, UV-A	315 – 400 nm
Item 9.31 UV-Integrator 140, Type 31, UV	250 – 410 nm
Item 9.41 UV-Integrator 140, Type 41, UV-B	280 – 315 nm
Item 9.51 UV-Integrator 140, Type 51, UV-C	230 – 280 nm
Item 9.61 UV-Integrator 140, Type 61, UV-V	395 – 445 nm



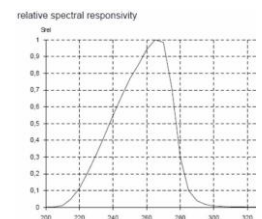
*further spectral ranges available upon request

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:	Ø 5.5" (140 mm) height 1½" (13 mm)
Weight:	approx. 16 ounce (450 grs.)
Temperature range:	0 to 45° Celsius
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 140 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

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UV-DESIGN Edgar Höhn GmbH
Geschäftsführer Edgar Höhn
Amtsgericht Hanau: HRB 96948
VAT-ID No.DE814427103

(Office & Workshop)
Fabrikstrasse 12
63636 Brachtal
GERMANY
Tel.: +49 (0)6053 8095431
Fax: +49 (0)6053 8095433