



## UV-Profiler UVP 3000 Multi

- + up to 3 channel
- + UV intensity  $mW/cm^2$
- + UV dose  $mJ/cm^2$
- + Temperature measuring
- + TFT touch screen display
- + on screen programming
- + on screen keyboard function
- + parameter selection
- + auto scale function
- + free selectable Integral
- + 64 MB memory
- + high storage capacity
- + graphic chart
- + Microsoft ActiveSync Software
- + auto off



The UV-Profiler UVP 3000 Multi is a portable UV-Data logger for UV Curing systems, UV + Temperature Profile Analysing and 3D-UV Data Acquisition.

The UVP 3000 profiling ultraviolet + temperature radiometer system has been specifically designed to measure UV-radiation on high-end UV-curing printing market. The UVP 3000 is a Pocket-PC based radiometer that can be operated as an instantaneous profiler of UV and temperature radiation. The measurement, integrating, and recording of data from all sensor channels takes place at user-defined intervals. ( e.g: 20 sec. measuring time with a sample rate of 20 milli sec.)

The UV-Profiler UVP 3000 can be equipped with a random choice of up to three sensors, various UV-ranges and/or temperature sensors. In the standard version, the UV-sensor contains a cosine corrected UV filter with a spectral range of 250 to 410 nm. Precise temperature measuring is made possible by a fast response temperature sensor.

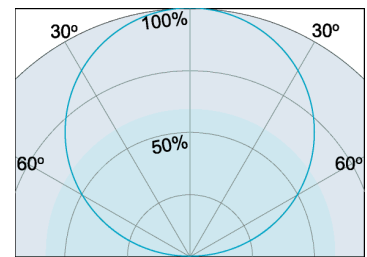


Fig. 12.1 Relative spatial response of an ideal cosine diffuser.

Special features are TFT touch screen display, ComPort and Microsoft software for the download of data to a computer.

The measured values are immediately displayed on a graph as  $mW/cm^2$  and  $mJ/cm^2$ . The TFT touch screen display shows the complete profile and offers zooming and auto scale functions.

Peaks and Integrals are free selectable on screen and will be displayed as digital numbers

The following versions are available:

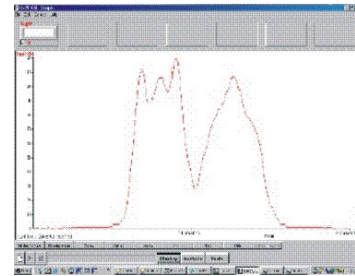
- Item 5.0 UVP 3000 Profiler UV+Temp
- Item 5.1 UVP 3000/2 Profiler UV-A + UV-B
- Item 5.2 UVP 3000/2+T Profiler UV-A + UV-B + Temp
- Item 5.3 UVP 3000/3C Profiler UV-A + UV-B + UV-C

# THE WIDE RANGE OF UV - IR TECHNOLOGY



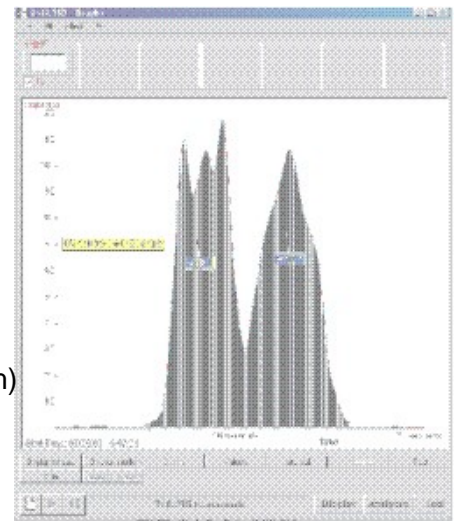
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The powerful Windows CE software is included and enables the user to synchronise the UVP 3000 with a PC via RS232 by "Microsoft ActiveSync".



### Technical Data:

Spectral range:	UV 250 – 410 nm (Standard)
Measuring range:	0 to 5,000 mW/cm <sup>2</sup>
Display:	TFT touch screen
Dose range:	0 to 100,000 mJ/cm <sup>2</sup>
Dynamic range:	0 to 1,000 mW/cm <sup>2</sup>
Display range:	32 to 230° F / 0 to 110° C
Sample rate:	0.05 sec. – 0.1 sec
Power source:	2 x long life 3.6 V Lithium Battery
Power consumption:	20 µA
Battery service life:	2,000 hrs
Dimensions:	approx. 9" x 3.5" x 1" (225 x 90 x25 mm)
Weight:	approx. 17.5 ounce (450 grs.)
Operating temperature:	32 to 113° F / 0 to 45° C
Heat protection:	Heat shield on back plate
Base Accuracy:	± 5 %



While on the conveyer belt, the UVP 3000 Profiler 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

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