



## UV-4C COLOR Wireless Data Sampler SD

- + 4 channel
- + individual UV-A, UV-B, UV-C and UV-V measuring
- + UV intensity  $mW/cm^2$
- + UV dose  $mJ/cm^2$
- + big high resolution color display
- + wireless data acquisition
- + built-in sensors
- + SD-Memory Card Slot
- + auto scale function
- + free selectable Integral
- + high storage capacity
- + graphic and numeric charts on computer
- + Evaluation Software Sanchart
- + auto off



The UV-4C COLOR Data Sampler SD is a portable UV-Data logging system for UV Curing systems, UV + Temperature Profile Analysing and 3D-UV Data Acquisition.

The following version is available:

<b>58.7. UV-4C COLOR Wireless Data Sampler SD</b>	<b>UV-A</b>	<b>315 – 410 nm</b>
	<b>UV-B</b>	<b>280 – 315 nm</b>
	<b>UV-C</b>	<b>230 – 280 nm</b>
	<b>UV-V</b>	<b>395 – 445 nm</b>

The UV-4C COLOR Data Sampler SD profiling ultraviolet + temperature radiometer system has been specifically designed to measure UV-radiation on high-end UV-curing printing market. Measuring data are stored on an SD-Memory Card and can be downloaded to a computer for further editing by means of the Sanchart Evaluation Software.

The UV-4C COLOR Data Sampler SD is equipped with four UV sensors for the individual measuring of UV-A, UV-B, UV-C and UV-V. The UV-sensors contain a cosine corrected UV filter with a spectral range of 250 to 410 nm.

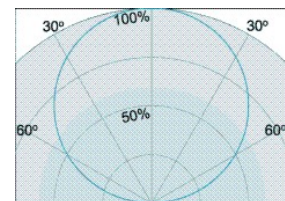


Fig. 12.1 Relative spatial response of an ideal cosine diffuser.

Special features are the two line LCD Display and a slot to accept SD-Memory Cards for storing data.

The measured values are displayed on graphs as  $mW/cm^2$  and  $mJ/cm^2$ . The monitor displayed graphs show the complete profile and offer zooming and auto scale functions. Peaks and Integrals are free selectable on screen and will be displayed as digital numbers.

# THE WIDE RANGE OF UV - IR TECHNOLOGY

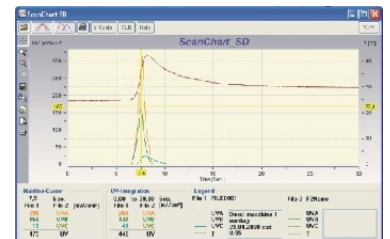
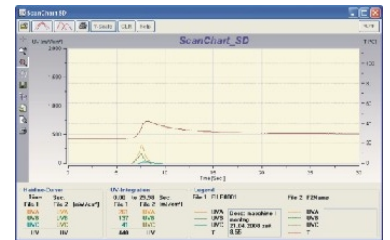


## UV-4C COLOR Wireless Data Sampler SD

The powerful ScanChart evaluation software is included and enables the user to display, edit and save all measuring data uploaded from the SD-Memory Card.

### Technical Data:

Spectral range:	UV 250 – 410 nm UV-A 315 – 410 nm UV-B 280 – 315 nm UV-C 230 – 280 nm UV-V 395 – 445 nm
Measuring range:	0 to 5,000 mW/cm <sup>2</sup>
Dose range:	0 to 100,000 mJ/cm <sup>2</sup>
Dynamic range:	0 to 1,000 mW/cm <sup>2</sup>
Display:	TFT Colour Display, 45 x 34 mm (1.75" x 1.3")
Sample rate:	0.01 sec to 1 h
Recording time:	12 min to 300 days
Power source:	8 x 1.5 V rechargeable 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. 35 ounce (900 g)
Temperature range:	0 to 113° F / 0 to 45° C
Heat protection:	Heat shield on back plate
Base Accuracy:	± 5 %



While on the conveyer belt, the UV-4C COLOR Wireless Data Sampler SD can withstand max. 110° C / 232° F for up to 10 seconds. The temperature of the housing should not exceed 45° C / 113°.

### 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