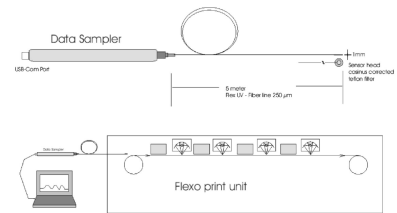
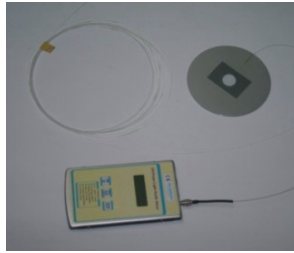


## UV-Data Sampler flexible wire 2-5 (ComPort)

(also available for LED measurement up to 20 W/cm<sup>2</sup>)

- + UV-intensity mW/cm<sup>2</sup>
- + UV-dose mJ/cm<sup>2</sup>
- + extra thin sensor head (2 mm)
- + flexible light guide 5 m
- + USB ComPort (Option)
- + graphic chart on computer (Option)
- + re-chargeable accu and charger



The UV-Data Sampler flexible wire 2-5 is a self-contained, high quality UV measuring instrument. It is designed to measure and display UV intensity in mW/cm<sup>2</sup>. An additional function is the scan of the peak value of UV-intensity in mW/cm<sup>2</sup> and to measure the UV dose in mJ/cm<sup>2</sup> within a pre-set period of 30/60 seconds.

In the standard version it is equipped with one UV sensor for the measuring of:

### Full UV spectral area 230 – 410 nm (Standard)

Due to its UV sensor and the integrated microprocessor the UV-Data Sampler flexible wire 2-5 can measure and display the peak UV-intensity of the full UV spectrum (mW/cm<sup>2</sup>). Additionally, this UV-Data Sampler is calculating the UV-dosage (mJ/cm<sup>2</sup>) of the UV energy supplied during the time of exposure of one measuring cycle. The UV-dosage is calculated as the total Integral of UV-dosage over the full UV spectral bands.

The extra thin probe-type sensor is connected to the base unit by a flexible light guide of approx. 5 meter (200") length. In the function "Direct" the actual UV-intensity in mW/cm<sup>2</sup> supplied to the sensor is measured. The function "Scan" will start a 30/60 second measuring cycle of both, UV-intensity and UV-dose. After completion of the measuring cycle the measuring results can be scrolled through on the built in 2 x 16 digit LCD display. A special AUTO-OFF feature that turns off the unit automatically after one minute serves as energy saving and extension of the battery service life.

As an option, this data sampler is available with an USB ComPort and an evaluation software for downloading the data to a computer to show, edit and store a history of the measuring results of the entire measuring cycle as graphic and numeric charts (mW/cm<sup>2</sup>) and (mJ/cm<sup>2</sup>)

The UV-Data Sampler flexible wire 2-5 (ComPort) is available in four different measuring ranges:

(Please state upon order)

- Item 23.1.1 UV-Data Sampler flexible wire 2-5, Type 1 Diazo 350 – 460 nm
- Item 23.1.2 UV-Data Sampler flexible wire 2-5, Type 2 UV-A 315 – 410 nm
- Item 23.1.3 UV-Data Sampler flexible wire 2-5, Type 3 UV 230 – 410 nm (STD)
- Item 23.1.6 UV-Data Sampler flexible wire 2-5, Type 6 UV-V 395 – 445 nm

- Item 23.2.1 UV-Data Sampler flexible wire 2-5 ComPort, Type 1 Diazo 350 – 460 nm
- Item 23.2.2 UV-Data Sampler flexible wire 2-5 ComPort, Type 2 UV-A 315 – 410 nm
- Item 23.2.3 UV-Data Sampler flexible wire 2-5 ComPort, Type 3 UV 230 – 410 nm (STD)
- Item 23.2.6 UV-Data Sampler flexible wire 2-5 ComPort, Type 6 UV-V 395 – 445 nm

## UV-Data Sampler flexible wire 2-5 (ComPort)

### Technical Data:

Spectral range: UV 230 – 410 nm (Standard) or other

Max. Power Input 0 to 5,000 mW/cm<sup>2</sup>

Display: LCD, 2x16 digits

Display range: 0 to 60,000 mJ/cm<sup>2</sup>

Measuring range: 0 to 2,000 mW/cm<sup>2</sup>

Sampling rate: 0.005 sec (200/sec)

Recording cycle: 30/60 sec.

Power source: 3.7 V LiPO Accu

Power consumption: 20 µA

Accu service life: approx. 1,000 charging cycles

Dimensions: base unit : approx. 5.5" (140 mm) x 3" (75 mm) x 0.5"(13 mm)

sensor : round approx. 1.5", 2", 2.5" x .10/128" (40, 50, 60 x 2 mm)

Weight: approx. 6 ounce (150 g)

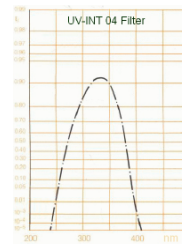
Dimensions of probe: Ø 1.5" (40 mm) x 0.4" (10 mm)

Length of light guide: approx. 200" ( 5 meter )

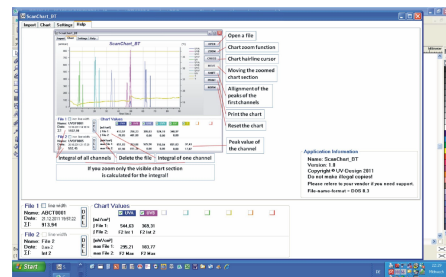
Operating temperature: 0 to 113° F / 0 to 45° C

Base Accuracy: ± 5 %

In the standard version it is measuring an integral in the spectral range from 230-410 nm, with a peak at the area of 330 nm.



### Option: ComPort



While measuring, the sensor head of the UV-Data Sampler flexible wire 2-5 can withstand max. 230° F / 110° C for up to 10 seconds. The temperature of the housing should not exceed 113° F / 45° C.

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.

### 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