

UV-MICRO PUCK MULTI II USB

- + up to 8 wireless sensor units
- + UV peak intensity mW/cm^2
- + UV dose mJ/cm^2
- + various UV-spectral areas
- + peak temperature (option)
- + up to 8 sensor units in various shapes and sizes
- + permanent or „triggered“ measuring mode*
- + rechargeable accu cells with charger
- + USB connection to PC
- + numerical values on computer



The **UV-MICRO PUCK MULTI II USB** is a high quality UV-measuring system specially developed to measure the UV peak intensity and the UV-dose in hard accessible areas of UV-curing units. With its up to 100 detachable wireless sensor units it is particularly practicable to be used in narrow WEB – presses, in label printing machines as well as for UV-3D measuring of 3D objects.

The **UV-MICRO PUCK MULTI II USB** is available in various different UV-spectral ranges. This fact makes it possible to chose the UV-Micro Puck to fit the required measuring situation best.

After the measuring cycle the sensor unit is connected to the base unit for the read out of the peak UV-intensity in mW/cm^2 and the UV-dose in mJ/cm^2 and eventually the peak temperature via USB connection on a PC. Upon read-out, the measuring value is stored automatically in the base unit and can be called up any time as long as it is not overwritten by storing a new measuring result.

After read-out, the measuring value keeps also stored in the UV-sensor unit until it is over-written during a new measuring cycle.

*The **UV-MICRO PUCK MULTI II USB** features a selectable „triggered mode“, i.e. the 10 min recording cycle starts within a 120 second readiness phase not before the incident UV-intensity exceeds $2 mW/cm^2$.

Optionally, the **UV-MICRO PUCK MULTI II USB** is equipped with an SD Memory card slot and an evaluation software for downloading the data to a computer.

Reset of the sensor unit to zero is made by connecting to the base unit and pressing the „Reset“ button of the hand unit. The base unit also serves as a charging station for the sensors.

The display range can be changed to read low and high UV-energy values.

The **UV-MICRO PUCK MULTI II USB** measuring system consists of:

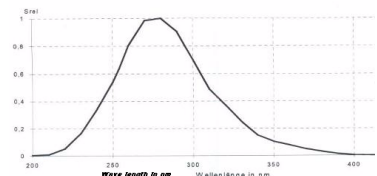
1. the base unit with the electronics and USB connection
2. the detachable UV-sensor unit with sensor opening and plug*.

The **UV-MICRO PUCK MULTI II USB** is available with sensors in various shapes and UV-spectral areas:

Item 4.6.5. UV-MICRO PUCK MULTI II USB

UV	230 – 410 nm (Standard)
DIAZO	350 – 460 nm
UV-A	315 – 410 nm
UV-B	280 – 315 nm
UV-C	230 – 280 nm
UV-LED	380 – 420 nm
UV-V	395 – 445 nm
UV-C	160 – 240 nm
UV-C	160 – 320 nm
UV-C	160 – 200 nm
Temperature	0-110°C/32-212°F

Standard spectral range 230-410 nm, with a peak at 280 nm.



*for further details of available sensors please see separate data sheet item 4.7ff

UV-Micro Puck Multi II USB

Technical data

Spectral range:	UV 230 – 410 nm, or other
Max. Power Input	0 to 5,000 mW/cm ²
Display:	LCD, 2x16 digits
Display range:	0 to 2,000 mW/cm ² 0 to 100,000 mJ/cm ²
Measuring range:	0 to 5,000 mW/cm ²
Measuring range:	0 to 110°C/32-212°F
Sampling rate:	0.0005 sec (2000/sec)
Recording cycle:	10 min.
Readiness phase:	120 sec
Power source:	Base Unit : 110 – 240 V / 50/60 cyc. Sensors: 1 x 3.7 V LiPO Accu 60 mA
Power consumption:	18 mA
Accu service life:	approx. 1,000 charging cycles
Dimensions:	base unit: 6.5" (165 mm) x 4" (105 mm) x 1"(25 mm) Sensor rect.: 2" (50 mm) x 0.8" (20.0 mm)x 0.5" (13.0 mm) Sensor round: Ø 2" (47 mm) x 0.5" (12.5 mm) Sensor round: Ø 2" (50 mm) x 1 3/8" (35 mm) – low UV-C -
Weight:	hand unit: approx. 22 ounce (700 g) sensor: approx. 2 ounce (60 g)
Operating temperature:	32 to 113° F / 0 to 45° C
Base Accuracy:	± 5 %

While on the conveyer belt, the UV-Sensor Units of the UV-Micro Puck Multi II can withstand max. 230° F / 110° C up to 10 seconds.

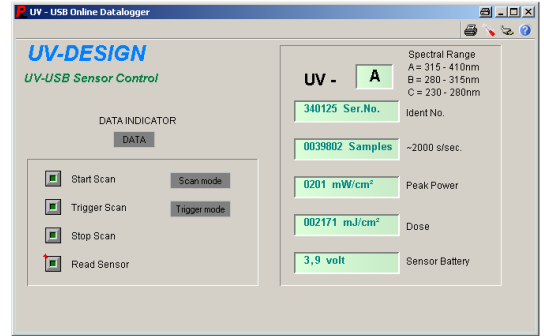
Because of uneven radiation distribution of the UV light source and different type of construction of the measuring devices by different manufacturers, different readings may appear under the same measurement conditions.

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. PTB traceable calibration acc. to DIN EN ISO / IEC 17025 with certificate

Warranty: 2 years from the date of purchase

Subject to change without prior notice © 2014-01



Display and Set-Up on PC

