# UV-MICRO PUCK MULTI II

***+ up to 8 wireless sensor units***
***+ UV peak intensity mW/cm²***
***+ UV dose mJ/cm²***
***+ various UV-spectral areas***
***+ peak temperature (option)***
***+ 2 display ranges for low/high energy***
***+ up to 8 sensor units in various shapes and sizes***
***+ permanent or „triggered“ measuring mode****
***+ rechargeable accu cells with charger***
***+ SD Memory card (option)***
***+ numerical values on computer (option)***

The ***UV-MICRO PUCK MULTI II*** 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 PUCKI MULTI II*** 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 hand unit for the read out of the peak UV-intensity in mW/cm” and the UV-dose in mJ/cm² and eventually the peak temperature on the two line LCD display. 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.

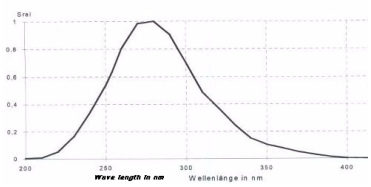
After read-out, the measuring value keeps also stored in the UV-sensor unit until it is over-written during a new measuring cycle.
*The ***UV-MICRO PUCKI MULTI II*** features a selectable „triggered mode“, i.e. the 10 min recording cycle starts within a 120 second readiness phase not before the incident UV-intensity exceeds 2 mW/cm².
Optionally, the ***UV-MICRO PUCKI MULTI II*** 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 PUCKI MULTI II*** measuring system consists of:
1. the base unit with the electronics and display
2. the detachable UV-sensor unit with sensor opening and plug*.

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

| | |
|---|---|
| **Item 4.6.1.** | **UV-MICRO PUCK MULTI II** |
| **Item 4.6.2.** | **UV-MICRO PUCK MULTI II SD** |
| **UV** | **230 – 410 nm (Standard)** |
| **UV-A** | **315 – 410 nm** |
| **UV-B** | **280 – 315 nm** |
| **UV-C** | **230 – 280 nm** |
| **DIAZO** | **350 – 460 nm** |
| **UV-V** | **395 – 445 nm** |
| **UV-C** | **160 – 240 nm** |
| **UV-C** | **160 – 260 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**



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# *UV-Micro Puck Multi II*

## Technical data

| | |
|---|---|
| Spectral range: | UV 230 – 410 nm (Standard) or other |
| Max. Power Input | 0 to 5,000 mW/cm$^2$ |
| Display: | LCD, 2x16 digits |
| Display range: | 0 to 2,000 mW/cm$^2$<br>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 rectangular: 1.9” x 0.7” x 0.5” / 45 x 18 x 12,5 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



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