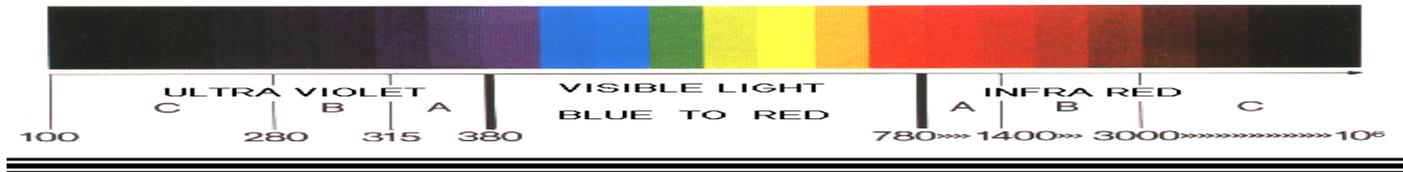


THE WIDE RANGE OF UV - IR TECHNOLOGY



UV-Datalogger USB

- + **wireless data acquisition**
- + **long-term data acquisition (up to 3 months)**
- + **high sampling rate (up to 1/s)**
- + **UV-intensity mW/cm²**
- + **up to 5 different UV-bands available**
- + **USB connection**
- + **graphic chart on PC**
- + **evaluation software**
- + **optical light guide for high temperature (optional)**
- + **high-pressure housing for water disinfection available**
- + **simple installation**



The UV-Datalogger USB is a small, self-contained, high quality UV monitoring instrument for long-term data recording. It is designed to measure and record UV energy in mW/cm² e.g. of low pressure HG lamps for the water purification. Various customer specific configurations are available and in conjunction with a high pressure, water proof sensor housing it is particularly suitable to monitor UV-energy of water disinfection installations. It is available with different UV-sensors in up to five different UV-bands (UV-A, UV-B, UV-C, UV-V –Diazo- or full UV)

In the basic version the UV-Datalogger USB consists of the measuring head, which is fixed to the lamp housing, and the removable USB recording stick. The UV-Datalogger USB is also available with a flexible optical light guide and SMA socket to enable measuring in high temperature areas (up to 350 °C/ 660°F).

The detachable USB stick can record up to 32.000 measuring results.

The sampling rate decreases reciprocally in relation to the recording period. At the highest sampling rate of 1 sec the maximum recording period is approx. 9 hrs, while at a sampling rate of 5 min the recording period reaches 3 months.

The UV-Datasampler USB comes with a special evaluation software for downloading the data to a computer to show, edit and store a history of the monitoring results of the entire measuring period as graphic charts (mW/cm²)

The UV-Datalogger USB is available in various versions and five different measuring ranges:
(Please state upon order)

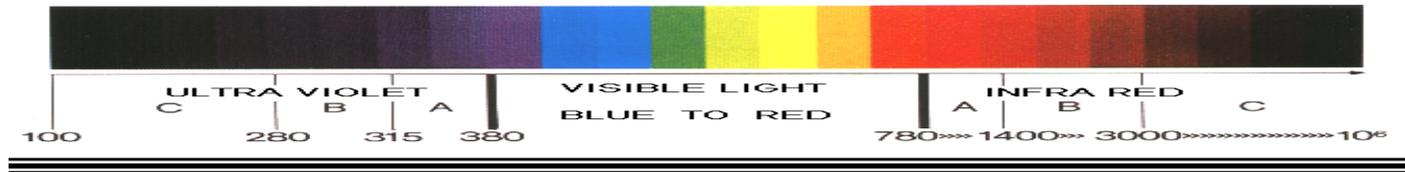
Item 35.1.1. UV-Datalogger USB, Type 1 UV-V (Diazo)	350 – 460 nm
Item 35.1.2. UV-Datalogger USB, Type 2 UV-A	315 – 400 nm
Item 35.1.3. UV-Datalogger USB, Type 3 UV	230 – 410 nm (STD)
Item 35.1.4. UV-Datalogger USB, Type 4 UV-B	280 – 315 nm
Item 35.1.5. UV-Datalogger USB, Type 5 UV-C	230 – 280 nm
Item 35.2.5. UV-Datalogger USB, water-proof, Type 5 UV-C	230 – 280 nm
Item 35.3.1. UV-Datalogger USB, light guide, Type 1 UV-V (Diazo)	350 – 460 nm
Item 35.3.2. UV-Datalogger USB, light guide, Type 2 UV-A	315 – 400 nm
Item 35.3.3. UV-Datalogger USB, light guide, Type 3 UV	230 – 410 nm (STD)
Item 35.3.4. UV-Datalogger USB, light guide, Type 4 UV-B	280 – 315 nm
Item 35.3.5. UV-Datalogger USB, light guide, Type 5 UV-C	230 – 280 nm

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THE WIDE RANGE OF UV - IR TECHNOLOGY



UV-Datalogger USB

Technical Data:

Spectral ranges:	UV 230 – 410 nm (Standard) or other
Max. Power Input	0 to 3,000 mW/cm ²
Display:	via PC
Software:	Easylog USB
Sampling rate:	1 sec to 5 min (reciprocal to recording period)
Recording period:	9 hrs to 3 months (reciprocal to sampling rate)
Power source:	long life 3.6 V Lithium Battery
Battery service life:	1 year
Dimensions:	Ø 1.5" (40 mm) x 3" (75 mm)
Weight:	approx. 6 ounce (200 g)
Operating temperature:	32 to 113° F / 0 to 45° C
Optical light guide:	2 meter (80") length, up to 350 °C/ 660°F
Memory::	32.000 measuring results
Base Accuracy:	± 5 %

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 with certificate

Attention:

1. Please avoid shaking the UV-Datalogger USB.
2. Do not expose to excessive heat.
3. UV-light is hazardous to your health. Avoid direct UV-light to your eyes and to your body.

Warranty: 2 years from the date of purchase

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