



UV Tracker RM-41



Fig. 1: UV Tracker RM-41

The battery-driven measuring device RM41 is a fast radiometer with integrated data recording. It can be moved through irradiation channels of UV dryers and other industrial systems by its especially flat shape. Recording of data starts automatically when an adjustable minimum irradiance is exceeded. The integrated radiometric sensor can be configured for different UV and visible spectral ranges. The integrated diffuser serves for the *cosinus* correction that is necessary at non-perpendicular irradiation. The sensors are calibrated with respect to a PTB (Physikalisch-Technische Bundesanstalt) reference.

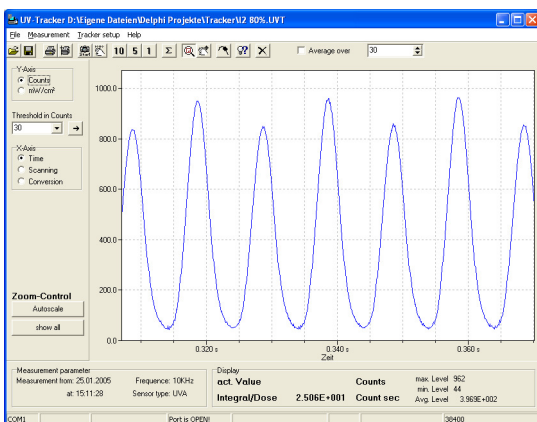


Fig. 2: Measurement of a badly stabilized UV lamp with 10 kHz, mains frequency 50 Hz

Software

- Set trigger threshold and sampling rate
- Download and save data
- Graphic display
- Calculation of positions from time scale
- Dose calculation by integration
- Printing, data export to txt

Applications

- Control of light sources and irradiation systems

Technical Data

Measuring range:	200 mW/cm ²
Resolution:	0.05 mW/cm ²
Sampling rate:	1, 5 or 10 kHz
Recording time:	65.5, 13.1 or 6.5 s Other rates on request
Measuring points:	65535
Sensor Ø:	10 mm
Spectral ranges:	UV-C, UV-B, UV-A VISB, VISBG, VISL as radiometer sensors
Wavelengths:	as radiometer sensors
Interface:	RS232, 38.4 kBaud
Dimensions:	160 x 135 x 20 mm
Weight:	650 g
Power supply:	4x Mignon battery
Operation temp.:	0 to 40 °C
Storage temp.:	-10 to 40 °C
Humidity:	< 80% Non-condensing
PC operation system:	Windows 98 or XP

Part number

UV tracker RM-41 with software 824100
(Measuring device without PC)

