

tinyTracker - height only 10 mm



tinyTracker

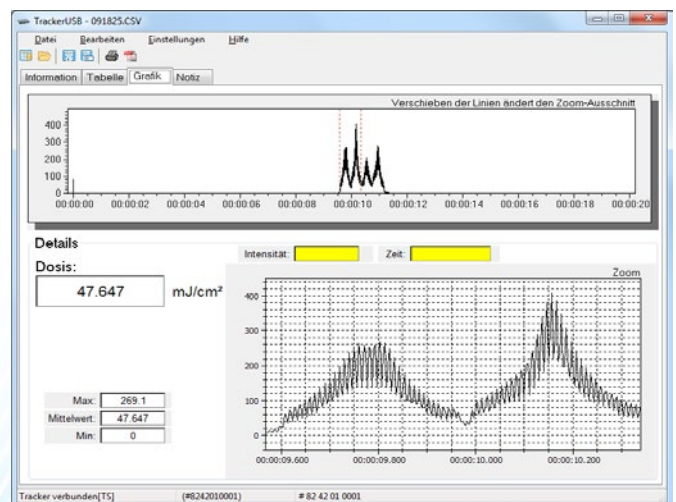
tinyTracker dosimeters are autonomous instruments for irradiance and dose measurement in UV belt systems. Due to the particularly flat design of the tinyTracker, this can be performed by irradiation of UV conveyor dryers and other industrial equipment.

The recording of values automatically starts when exceeding an adjustable minimum irradiance. The integrated radiometric sensors can be configured for different UV and visible spectral ranges. The integrated diffuser serves for cosine correction that is necessary in non-perpendicular irradiation. The sensors are calibrated to PTB.

The data recording is done on a removable SD card, data transfer - via USB. The power is supplied by a Li-Ion battery that provides a recording time of up to three hours. The Li-Ion battery can be charged directly via the USB interface. An additional power supply unit is included. The analysis and data export are done conveniently using a PC.

HIGHLIGHTS

- Low height of only 10 mm
- Fast data recording with up to 25 measurements per second
- Measurement of irradiance and dose
- Selectable spectral range
- Single- and dual-channel versions, optional double-sided measurement



Software Tracker Viewer (example shows modulation of a lamp operated with conventional ballast)

TECHNICAL DATA

Measuring range	0-200 mW/cm ² or 0-2 W/cm ²
Resolution	12 bit
Recording time	up to 3 hours
Sampling frequency	2 - 25 Hz, adjustable
Number of sensors	1-2
Sensor position	single or double sided
Cosine correction	yes
Spectral ranges	UVC, UVB, UVA, UVA+, VISB, VISBG or LUX
Dimensions tinyTracker	195 x 79 x 10 mm
Operating temperature	up to 60 °C
Power supply	internal Li-Ion battery
Interface	MiniUSB
System requirements	Windows 10 / 11 300 MB HDD, 1 GB RAM

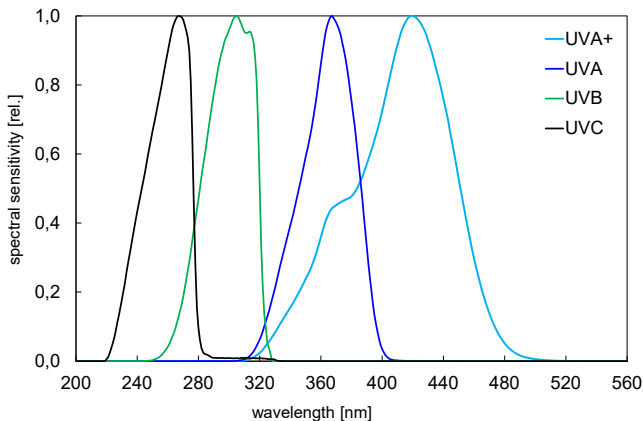
PART NUMBERS

tinyTracker	824202
second sensor option	824203
ISO 17025 calibration	17025

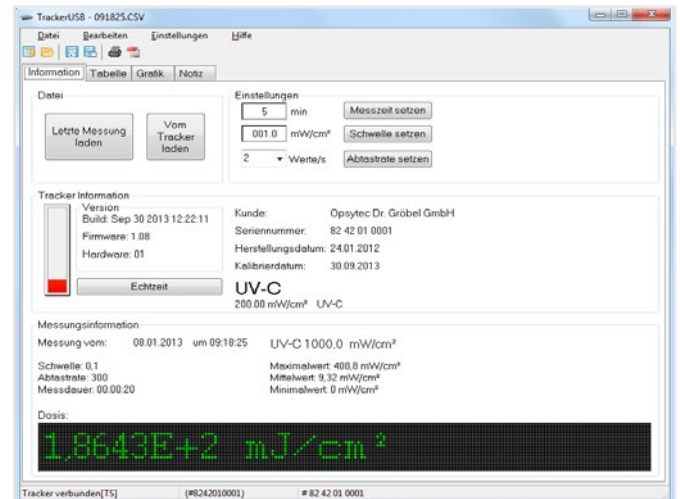
SCOPE OF DELIVERY

tinyTracker, manufacturers certificate of calibration, USB cable, wall plug adapter, carrying case

Please select desired sensor and measurement range during order. If no measurement range is specified we'll deliver standard range (0 -200 mW/cm²).



Spectral sensitivity UVA+, UVA, UVB and UVC sensors

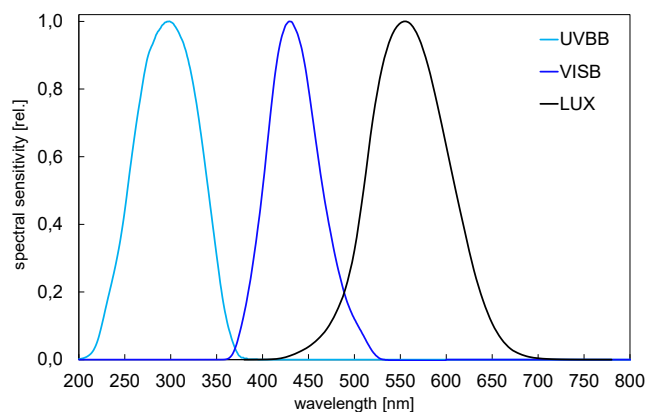


Software Tracker Viewer

SPECTRAL RANGES

UVC	200 - 280 nm
UVB	280 - 315 nm
UVA	315 - 400 nm
UVA+	330 - 450 nm
VISB	400 - 480 nm
LUX	380 - 780 nm, V(λ)

Since 1981, Opsytec Dr. Gröbel GmbH manufactures UV sensors. All sensors are calibrated in our own laboratory.



Spectral sensitivity UVBB, VISB and LUX sensors