

tinyTracker & TrackerUSB



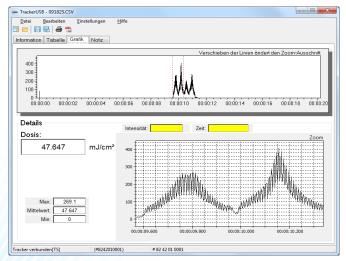
tinyTracker and TrackerUSB dosimeters are autonomous instruments for irradiance and dose measurement in UV belt systems. Due to the particularly flat design of the tinyTracker, this can be performed by irradiation of UV conveyor dryers and other industrial equipment. TrackerUSB is perfectly suited for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

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 nonperpendicular 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 Lilon battery that provides a recording time of up to three hours. The Li-lon 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)

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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
Nunber of sensors	2 tinyTracker, 1 TrackerUSB
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
Dimensions TrackerUSB	160 x 135 x 20 mm
	100 X 100 X 20 mm
Operating temperature	up to 60 °C
Operating temperature Power supply	
	up to 60 °C
Power supply	up to 60 °C internal Li-Ion battery

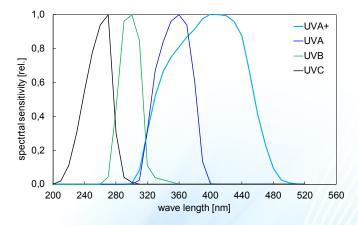
PART NUMBERS

TrackerUSB	824201
tinyTracker	824202
second sensor option	824203

SCOPE OF DELIVERY

TrackerUSB or 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 specificated we'll deliver standard range (0 -200 mW/cm²).



Spectral sensitivity UVA+, UVA, UVB and UVC sensors

Datei Bearb	eiten <u>E</u> instellungen	Hilfe	
		Hute	
8 8			
formation Tab	elle Grafik Notiz		
Datei		Einstellungen	
		5 min Messzeit setzen	
Letzte Mess	Vom	001.0 mW/cm ² Schwelle setzen	
laden	Tracker laden	001.0 mW/cm ² Schwelle setzen	
	aden	2 • Werte/s Abtastrate setzen	
Tracker Inform	etion		
Versi	on	Kunde: Opsytec Dr. Gröbel Gmb	
Build:	: Sep 30 2013 12:22:11		л
Firmw	vare: 1.08		
Hard	ware: 01	Herstellungsdatum: 24.01.2012	
		Kalibrierdatum: 30.09.2013	
	Echtzeit	UV-C	
		200.00 mW/cm2 UV-C	
Messungsinfor	mation		
Messung vom:		18:25 UV-C 1000.0 mW/cm ²	
-	00.01.2015 units.	0101000,0 1111)011	
Schwelle: 0,1 Abtastrate: 300		Maximalwert 408,8 mW/cm² Mittelwert 9,32 mW/cm²	
Abtastrate: 300 Messdauer: 00		Mittelwert 3,32 mW/cm* Minimalwert 0 mW/cm*	
Dosis:			

Software Tracker Viewer

SPECTRAL RANGES

UVC	200 - 280 nm
UVB	280 - 315 nm
UVA	315 - 400 nm
UVA+	330 - 455 nm
VISB	400 - 480 nm
VISBG	400 - 570 nm
LUX	380 - 780 nm, V(λ)

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

