



## UV Disc

UV integrator for measuring the UV dose

### Features

- Measurement of UV dose in  $\text{mJ}/\text{cm}^2$
- Automatic start/stop function as soon as UV is detected
- Calibration acc. to DIN EN ISO / IEC 17025; traceable to PTB and NIST

### Advantages

- Ease of use
- Compact design
- Robust
- Long-life battery
- Cumulative measurements possible

## UV Disc

### UV integrator

This UV measuring device is used for simple performance control of UV lamps. It can be used wherever a conveyor belt or similar transports past UV lamps, e.g. in UV curing systems, photoresist exposure systems, printed board exposure systems, in the wood industry, printing and electronics industries where medium-pressure UV lamps are used.

The UV-C LP version is calibrated for UV-C low-pressure lamps and is therefore predestined for UVC disinfection applications.

### Application

The UV Disc is placed on or attached to the machine transport in such a way that the UV diode on the reverse side of the unit can detect the UV light. The UV Disc detects one spectral range of the UV light during the run and integrates it during the irradiation time.

### Operation

The measured UV irradiation (UV dose) is shown on the LCD display in  $\text{mJ}/\text{cm}^2$ .

### Delivery

The UV Disc is supplied with instruction manual and calibration certificate in a plastic case.

### Technical data

Spectral measuring ranges					
				full	UV Full 250 – 410 nm
			LED		UV-LED 265 – 495 nm
		Vis			UV-VIS 395 – 445 nm
	A				UV-A 315 – 410 nm
	B				UV-B 280 – 315 nm
C					UV-C 230 – 280 nm
CND					UV-C ND 230 – 280 nm
Display				LCD, 6 digits	
Display range				1 – 999,999 $\text{mJ}/\text{cm}^2$	
Intensity range				1 – 5,000 $\text{mW}/\text{cm}^2$ LED: 1 – 10,000 $\text{mW}/\text{cm}^2$ UVC ND: 1 – 500.0 $\text{mW}/\text{cm}^2$	
Max. ambient temperature				110° C for 10 sec.	
Power source / Power consumption				lithium battery 3.6 V / approx. 10,000 operating hours	
Dimensions / Weight				Ø 90 mm, height 12 mm / approx. 140 g	
Protection class				IP20	



uv-technik Speziallampen GmbH, Gewerbegebiet Ost 6, 98693 Ilmenau, Germany  
Phone: +49 36 785 520-0, Fax: +49 36 785 520-21, [www.uvtechnik.com](http://www.uvtechnik.com)

Operating parameters depend on production characteristics and may differ from the foregoing information.  
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