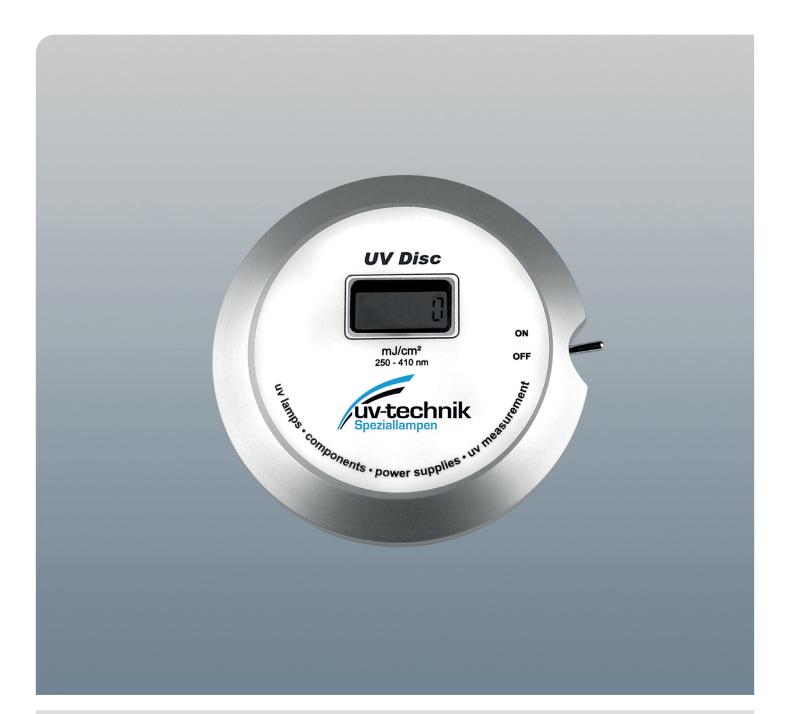
honle group





UV Disc

UV integrator for measuring the UV dose

Features

- Measurement of UV dose in mJ/cm²
- 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

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 mJ/cm².

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	
		А				UV-A 315 – 410 nm	
	В					UV-B 280 – 315 nm	
С						UV-C 230 – 280 nm	
CND						UV-C ND 230 – 280 nm	
Display					LCD, 6 digits		
Display range					1 – 999,999 mJ/cm²		
Intensity range					1 – 5,000 mW/cm² LED: 1 – 10,000 mW/cm²) UVC ND: 1 – 500.0 mW/cm²		
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		







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