

Technical Brief

Advantages...

- **Capture both Dose and Irradiance:** The UV Minder offers both measurements to help managers and equipment operators identify the best "cure window."
- **Integral Sensor and Remote Probe Flexibility:** The UV Minder comes standard with a built in UV A+B sensor, and A+B probe for direct work surface measurements. Additional remote probes are available. Remote probes offer the most flexibility for measuring radiant energy arriving at the work surface.
- **NIST Traceable:** The UV Minder is calibrated using a NIST traceable standard.
- **Affordable:** With its broad range of features and low cost, the UV Minder is the industry's best valued radiometer/dosimeter.

Applications...

- **UV Curing:** Optimize UV exposure by measuring bulb intensity and exposure duration.
- **Calibrate and Characterize:** Test your UV radiation source to maximize effectiveness and productivity.
- **Evaluate UV leakage:** Utilize the UV Minder's built in UV A+B sensor to quantify the amount of UV light scattered into the work environment.
- **Compatible with Uvitron UV floods:** Irradiance, dose and spectral ranges well-matched for use with IntelliRay and SunRay curing systems.



Light Curing Systems and Accessories

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UV Minder™ Radiometer/Dosimeter



This handheld radiometer/dosimeter is designed to monitor UV light sources used in a wide range of UV curing applications and it is perfect for educational and environmental monitoring efforts focusing on ultraviolet properties.

Process control setting: The UV Minder can assist equipment operators and managers alike to optimize the curing window for adhesion and superior surface cure.

Educational setting: The UV Minder can be used as a teaching tool due to its multiple functions (UV irradiance and UV dose over time), and its rugged construction and very affordable price.

UV Minder Standard Model (UV A+B) Parameters

Response Range	280 – 400nm (UV A + B)	
Peak Response	370 nm	
Sensor (built in or remote)	Photodiode	
Conv. Rate	2.0 Readings/Sec.	
Display	3.5 Digit LCD (Digit size .5" high)	
Size	4.4"Lx2.6"Wx1.1"D (112x66x30mm)	
Weight	6.0 OZ (170g) incl. Battery	
Power Source	9-Volt DC Battery or optional adapter	
Supply Current	< 3 mA	
Radiometer Mode: (UV A + B)	Irradiance Range	0 – 199.0 mW/cm ²
	Resolution	0.1 mW/cm ²
	Accuracy	+/- 10%
Dosimeter Mode: (UV A + B)	Dose Range	0 – 1999 mJ/cm ²
	Resolution	1 mJ/cm ²
	Manual Preset Dose	10 – 1700mJ/cm ²
	Max Measurement Time	200 s
	Indication (Dose or Time)	Light and Sound

OPTIONS:

Power Source	AC/DC Adapter
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NOTE: Specifications are subject to change. Please consult Uvitron International to confirm specifications for your specific application.

Part Number UV00001113