

VersaProbe™

Radiometer / Dosimeter



VersaProbe™ Radiometer / Dosimeter



VersaProbe™ with UV A + B Probe

The CON-TROL-CURE® VersaProbe™ handheld radiometer/dosimeter is designed to monitor UV light sources used in a wide range of UV curing applications.

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

Educational setting: The VersaProbe™ 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.

Advantages:

- Capture both Dose and Irradiance: The VersaProbe™ offers both measurements to help managers and equipment operators identify the best "cure window."
- Narrow-band, Broad-band Versatility: VersaProbe™ offers both narrow-band A or B and broad-band A+B measurements. When used as a narrow-band radiometer, the VersaProbe™ sees only the lamp energy output in the 320 - 400nm (UV A) or 280 - 320nm (UV B) range. When the VersaProbe™ is used as a broad-band (A+B) radiometer, it sees UV energy from 280 - 400nm, critical to many curing applications.
- Integral Sensor and Remote Probe Flexibility: The VersaProbe™ 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 VersaProbe™ is calibrated using a NIST traceable standard.

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.

Item No.
M007-092

Description
VersaProbe™

24-HOUR PRODUCT SERVICES

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UVPS®
UV PROCESS SUPPLY, INC.

VersaProbe™

Radiometer / Dosimeter

VersaProbe™ 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 |

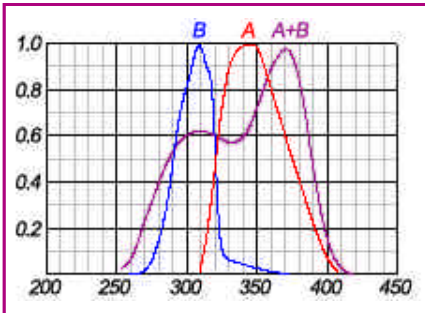
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|--------------------------------|------------------|------------------------------|
| Radiometer Mode: (UV A + B) | Irradiance Range | 0 - 199.0 mW/cm ² |
| | Resolution | 0.1 mW/cm ² |
| | Accuracy | +/- 10% |

| | | |
|-------------------------------|---------------------------|-----------------------------|
| 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:

| | | |
|--|----------------|-------------|
| Remote Probe for narrow-band energy measurements: | | |
| UV A (M007-093) | Response Range | 320 - 400nm |
| UV B (M007-094) | Response Range | 280 - 320nm |
| Output Control | Optoisulator | |
| Power Source | AC/DC Adapter | |

NOTE: Specifications are subject to change. Please consult UV Process Supply to confirm specification for your specific application.



Spectral Response

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