

LOCTITE®

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Product Description Sheet UV A/B Radiometer Dosimeter

Part # 1390323

North American Engineering Center, April 2010

PRODUCT DESCRIPTION

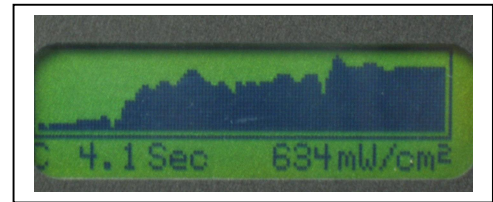
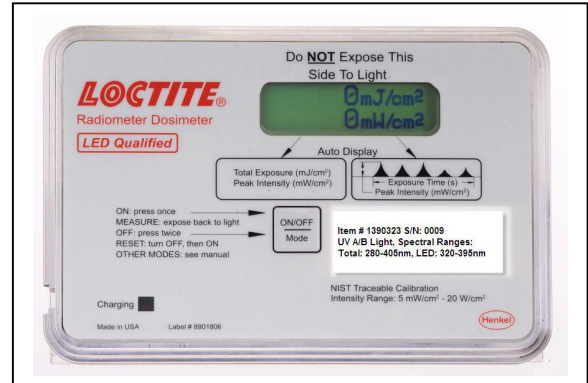
The Loctite® UV A/B Radiometer Dosimeter is an industry first for measurement of light sources and LED Light Curing devices that emit in the UVA & UVB wavelengths. The flat response curve makes this radiometer uniquely qualified to measure UVA & UVB wavelengths. The Radiometer Dosimeter can also be used with Curing Chambers, Conveyors, and Flood lamps. This unit combines the all-in-one exposure, intensity measurement, and profile memory capability into one device.

PRODUCT FEATURES

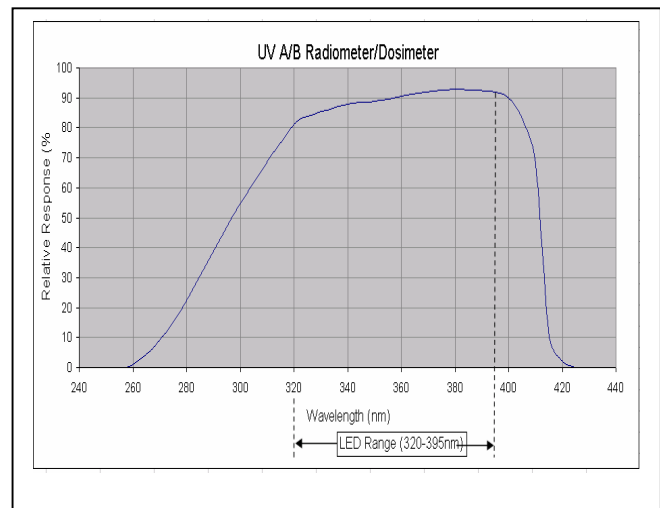
- Solid-state detector and ultra-stable amplifier technology to give lower noise, greater speed, and higher accuracy.
- Digital display of peak intensity and total exposure.
- Graphical display of intensity vs. time.
- Baseline profile reference plot allows on-the-spot comparison of the current performance of the curing unit with the base line.
- Built-in rechargeable batteries with charger included.

Technical Data

- Spectral measurement ranges:
 - Total Range: 280 – 405 nm.
 - LED Range: 320 – 395 nm.
- Intensity dose range: 5 mW/cm sq. to 20 W/cm sq.
- Temperature range: 10 – 50 Deg. C. (50 – 122 Deg. F.)
- Accuracy: Typically better than 6%
- Digital display: 4 significant digits
- NIST Traceable Calibration
- Dimensions: 160 mm W x 112 mm D x 12 mm H
- Recommended calibration once every 12 months after unit is put into service.



Example of graphical display of irradiance vs. time



LED range: 320 – 395 nm

NOT FOR PRODUCT SPECIFICATIONS

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Radiometer Dosimeter includes

- Instruction Sheet
- AC Charger Adapter
- Carry Case
- Calibration Certificate

Optional Accessories (not included):

These Adapter / Filters allow for proper positioning of the UV Source – both height offset and centering onto the Radiometer Dosimeter so they are in the same position on the meter for every test measurement.

- 1403402 – adapter for UV 365 LED Spot Cure System 1076999.



Adapter # 1403402

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