



Product Description Sheet

EQ PM 20 UV VIS Radiometer

Part # 2436352
North American Engineering Center

One Henkel Way
Rocky Hill, CT 06067
Technical Information Help Line 1-800-562-8483
www.equipment.loctite.com

PRODUCT DESCRIPTION

The Loctite® EQ PM20 UV VIS Radiometer is an industry first for measurement of LED Light Curing devices. The flat response curve makes this radiometer uniquely qualified to measure narrow band wavelengths of LED Light Curing devices. The Radiometer 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

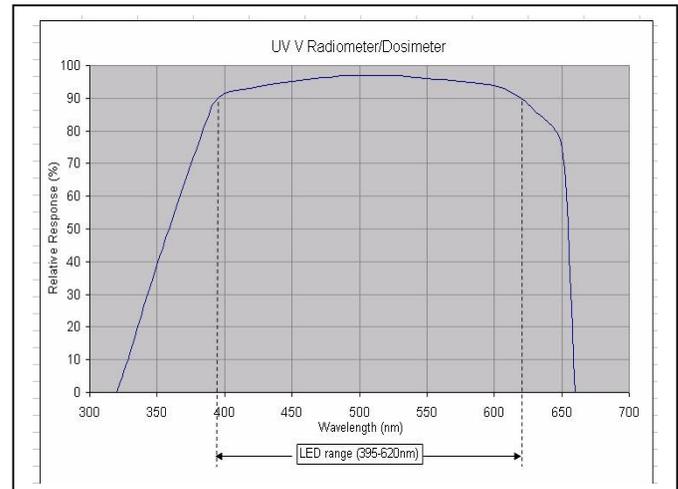
- Solid-state detector and ultra-stable amplifier technology to give lower noise, greater speed, and higher accuracy.
- Digital display of peak intensity and total exposure.
- Graphical display of intensity vs. time.
- Baseline profile reference plot allows on-the-spot comparison of the current performance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



Technical Data

- Spectral measurement ranges:
 - Total Range: 350 – 660 nm.
 - LED Range: 395 – 620 nm.
- Intensity dose range: 5 mW/cm sq. to 40 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: 152.4 mm W x 101.6 mm D x 12.7 mm H
- Recommended calibration once every 12 months after unit is put into service.

Reference of graphical display of irradiance vs. time



LED range: 395 – 620 nm



NOT FOR PRODUCT SPECIFICATIONS

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Radiometer includes

- Quick start manual
- Micro USB 2.0
- Carry Case
- Calibration Certificate

Optional Accessories (not included):

These Adapter / Filters allow for proper positioning of the UV Source (LED Spot Cure units or Visible Light curing units) for both heights offset and centering onto the Radiometer so they are in the same position on the meter for every test measurement.

- 1403401 – adapter for 405 Cure Jet Head 976420 and Indigo Cure Jet Head 976418
- 1403405 – adapter for 7700, 7703, 7700-HD, and 7703-HD LEDs
- 1403403 – adapter / filter for Visible Arc Lamps. This also includes a band-pass filter to limit the upper end of the wavelength being measured to 520 nm. Loctite brand visible-cure adhesives react to wavelengths that are below 520 nm; therefore, this adapter / filter will allow only the necessary wavelengths needed for curing to be measured. Intensity wavelengths above 520 nm are irrelevant to the curing process and need not be measured or included in the graphical display on the Dosimeter.



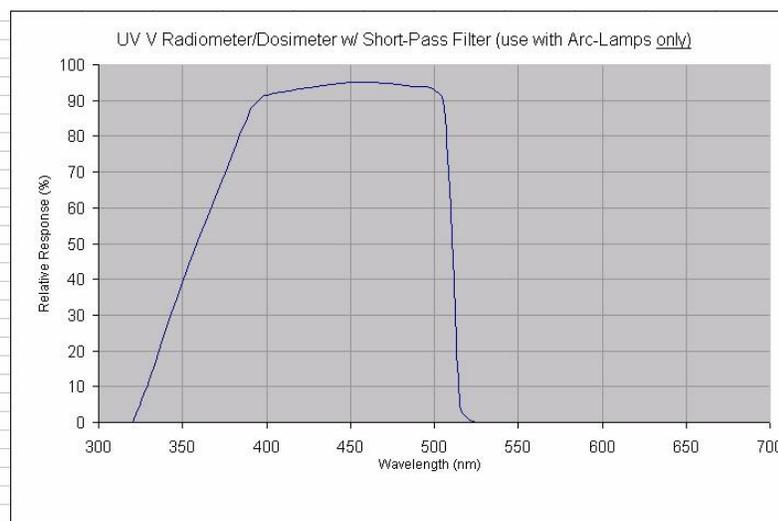
Adapter #1403401



Adapter #1403405



Adapter #1403403



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- 1403403 – adapter for 98003- Zeta 7415 UV Benchtop Conveyor,98004-Electrodeless Lamp Assembly 208V,98005-Electrodeless Lamp Assembly 240V ,98039 -7401 UV Curing System,98413 -7411 UV Flood system,1449336 LED Single Line Array 405nm
- 1421420 – adapter for 1369537 LED Cure Jet Indigo Head, 1369538 LED Cure Jet 405nm, 2183340 EQ CL 28 Cure Jet
- 1527709 – adapter 1470727 Assure Cure optics External Interface Assembly
- 1430402 – adapter for 1746633 CL 10 Single LED Head 405nm, 2104788 CL 25 LED Head
- 2251337– adapter for 2182207 EQ CL 32 Spot System



Adapter # 1421420



Adapter # 1430402



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