

OmniCure® R2000 Radiometer

Expanding Your Options



Proximity Adaptor

The proximity adaptor allows the user to obtain accurate application-specific power or irradiance measurements in flood geometry. Measurements are done by placing the emitting end of the light directly over the top of the proximity adaptor, inserted into the OmniCure® R2000 Radiometer.



Lamp Output Adaptor

The lamp output adaptor is a rigid adaptor that interfaces the curing unit and light source to allow direct measurements of the lamp power. This optical accessory is very important for system maintenance as it can be used to determine if the Light Guide requires replacement due to degradation.



Cure Ring Detector

When used in conjunction with the OmniCure® R2000 Radiometer, the Cure Ring Detector measures output power from the Cure Ring directly at the cure site, ensuring a highly repeatable process.



Cure Site Detector

When used in combination with the OmniCure® R2000 Radiometer, the Cure Site Detector measures output power of a Light Guide or optical accessory directly at the cure site. This provides accurate data for energy calculations, enabling the user to control the curing process more accurately.

DESCRIPTION

Wavelength Range	250nm - 1µm (with suitable calibration)
Maximum Range	Power: 1mW-12W Irradiance: 5mW/cm ² -60W/cm ² (with 5mm Light Guide)
Resolution	Power: 1mW Irradiance: 5mW/cm ² (with 5mm Light Guide)
Accuracy	+/- 5% typical; +/- 10% maximum
Auto-ranging	Power: 1-990 mW; 1.0-12.00W Irradiance: 5-990mW/cm ² ; 1.0-60W/cm ²
Battery	3.6V Li
Battery Life	2 years, typical (intermittent use)
Functions	Irradiance Measurement, Power Measurement, Automatic Light Guide Detection, Relative Mode, OmniCure® Calibration, Store Data Points, External Input, On Button, Auto Off, Calibration Due Message
Certification	CE marked; complies with IEC, Canadian and US Standards, RoHS compliant

GENERAL SPECIFICATIONS

Dimensions (LxWxH)	7 1/2" x 4 3/8" x 2" (19.0cm x 11.1cm x 5.0cm)
Weight	1lb (450g)
Warranty	1 year

¹Calibration of the OmniCure® R2000 Radiometer is recommended every twelve months. Contact Lumen Dynamics for further information.



2260 Argentia Road,
Mississauga, Ontario,
L5N 6H7 CANADA

www.LDGI-OmniCure.com

Telephone: +1 905 821-2600
Toll Free (USA and Canada): +1 800 668-8752
Facsimile: +1 905 821-2055

OmniCure@LDGI.com



For a detailed look at our application solutions visit: www.LDGI-OmniCure.com/applications.php

Lumen Dynamics Group Inc. is certified under the globally recognized ISO 9001 Quality Management System and the ISO 14001 Environmental Management System. Our global customers can trust that Lumen Dynamics strives to be the best possible supplier in all aspects of our business.

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