



OmniCure®
R2000 Radiometer

POLY DISPENSING SYSTEMS
S Y S T E M E S D E D O S A G E I N D U S T R I E L

R2000 Radiometer

The OmniCure R2000 Radiometer: Your Technology Advantage for a Repeatable Assembly Process

Accurate radiometry is essential to maintaining a calibrated and repeatable UV curing process suitable for consistent, high-quality production. The OmniCure® R2000 Radiometer is the most advanced and accurate tool for measuring irradiance or power from your UV Spot Curing System. Developed in cooperation with the OmniCure® Platform of UV Curing Systems, the portable OmniCure® R2000 Radiometer offers unmatched performance to calibrate and set irradiance levels on your OmniCure® S2000 Curing System.



Using a single Radiometer, maintain process control and save setup time by calibrating multiple systems with a preferred irradiance set point

Proprietary detector system for accurate wideband measurements suitable for many different light sources

Proprietary optical interface that virtually eliminates beam profile dependence and significantly improves measurement accuracy

Memory for storing data and communicating with PC software for downloading

Ready for use with additional custom accessories such as the Cure Ring Detector and the Cure Site Detector

DESCRIPTION	
Wavelength Range	250nm - 1 μ m (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 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

*Calibration of the OmniCure® R2000 Radiometer is recommended every twelve months.

■ 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.

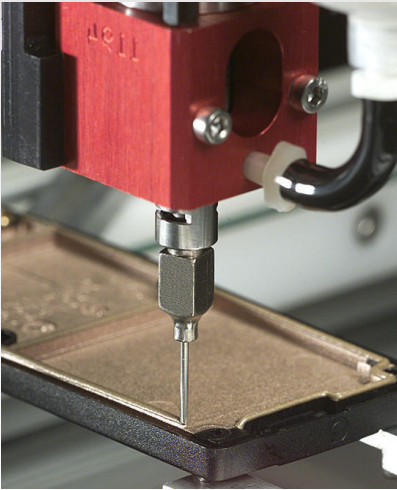
■ Cure Ring Detector

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.





PDS S.A.S is a french company that commercializes a wide range of dosage equipments, proven and effective.

Distributed in over 20 countries around the world, these equipments provide tailored solutions to many users in order to improve technically their manufacturing and reduce their productions costs.

Our collaborators and sales engineers all have a strong technical competences. They are able to answer your questions and offer you, after analysis, the right solution for your particular need.

FRANCE - SWITZERLAND
NORTH AFRICA

Poly Dispensing Systems
122, Chemin de la Cavée
78630 Orgeval

FRANCE

☎ + 33 (0)1 39 62 40 92

📠 + 33 (0)1 39 62 40 94

www.polydispensing.com

BELGIUM- NETHERLANDS
LUXEMBOURG

Gentec Benelux
Rue de L'Industrie, 12
B-1400 Nivelles

BELGIQUE

☎ +32 2 351 1800

📠 +32 2 351 1962

www.gentec-benelux.com

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