



OmniCure®
LED Light Meter

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

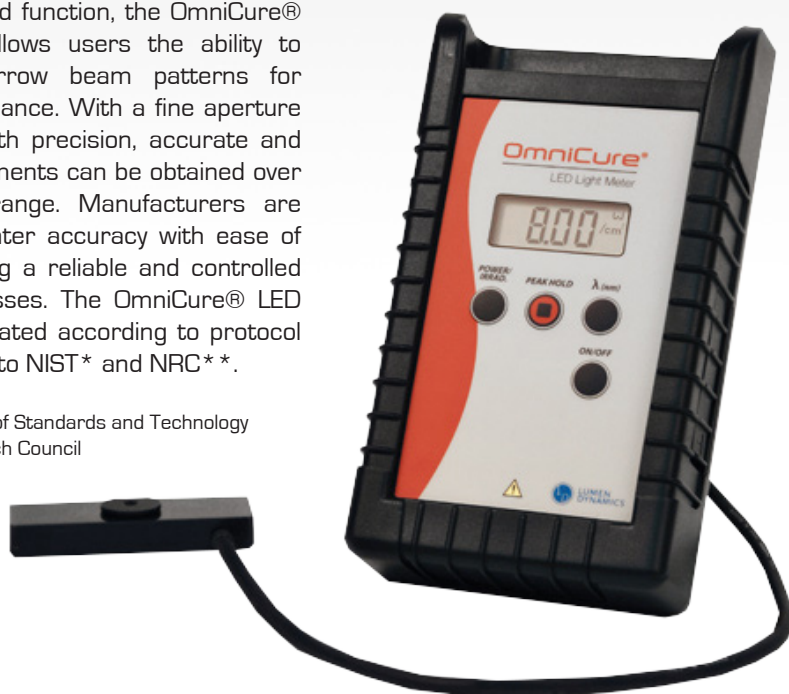
Omniculture LED Light Meter

Offering maximum reliability and control for UV assembly processes

The OmniCure® LED Light Meter offers the ability to accurately measure power and irradiance from an OmniCure® LED UV curing system, or any other LED UV source, directly at the cure site. With the narrow wavelengths emitted from an LED spot source, specific challenges arise when measured with a radiometer calibrated using a broadband source. The OmniCure® LED Light Meter is specially designed with the ability to select specific wavelengths for measurement. When used with the sensor calibrated with a near monochromatic source, potential inaccuracies in measurement are eliminated that would normally occur due to the narrow spectral distribution of a UV LED source. Featuring a peak hold function, the OmniCure® LED Light Meter allows users the ability to easily measure narrow beam patterns for capturing peak irradiance. With a fine aperture that is calibrated with precision, accurate and consistent measurements can be obtained over a broad dynamic range. Manufacturers are able to achieve greater accuracy with ease of use while maintaining a reliable and controlled UV assembly processes. The OmniCure® LED Light Meter is calibrated according to protocol standards traceable to NIST* and NRC**.

*NIST - National Institute of Standards and Technology

**NRC - National Research Council



Small form factor fits into limited spaces

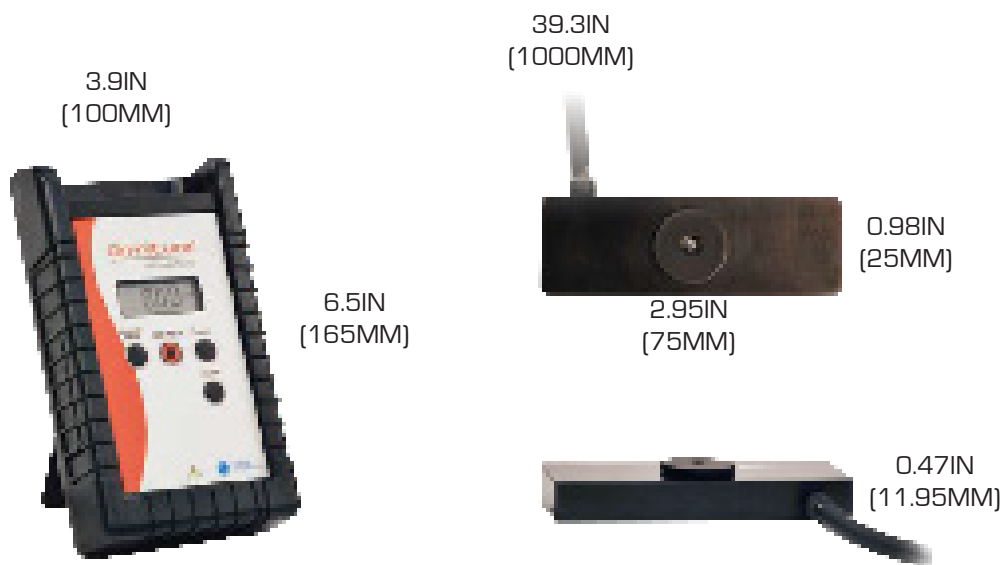
Peak hold function detects/records peak measurements

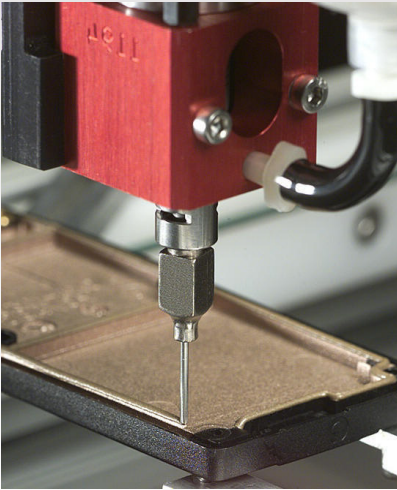
Broad linear dynamic range for measuring from any LED light source

Multi-point wavelength calibration for accurate measurements

SPECIFICATIONS

| | |
|-----------------------------|---|
| Spectral Sensitivity | Selectable wavelengths programmable from 320-750nm |
| Measurement Range | Irradiance: 50mW/cm ² to 25 W/cm ² Power: 1mW to 500mW |
| Accuracy | +/- 10% |
| Resolution | Irradiance: 1mW/cm ² Power: 1mW |
| Calibration Cycle | One Year |
| Battery Life | Two Years, Typical (intermittent use) |
| Operating Temperature Range | Ambient to 40° Centigrade |
| Certification | Complies with IEC, Canadian and US Standards, RoHS compliant |
| Functions | Peak Hold, Power On/Off, λ nm (Wavelength selection), Power/Irradiance |
| Traceability | NIST and NRC Compliant |
| Sensor Dimension (LxWXH) | 163mm x 100mm x 44mm |
| Meter Dimension (LxWXH) | 75mm x 25mm x 11.95mm |





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.

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- NON CONTRACTUAL DOCUMENT -

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