

Press release

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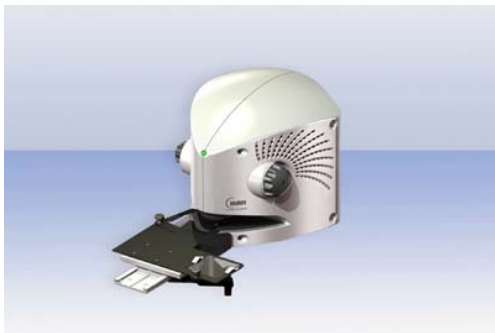
Labsphere Upgrades UV Transmittance Analysis with UV-2000S

Wessling, 02. January 2008, To keep pace with demanding industry methods for quality assurance and UVA Protection Factor (UVA-PF) analysis in the formulation, development and testing of sunscreen products, Labsphere has introduced its next generation UV Transmittance Analyzer, the UV-2000S.

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19-24 Jan 2008, San Jose
Laser 2000 exhibits at
Booth 5055



The UV-2000S builds on the platform of Labsphere's industry standard UV-1000S with increased dynamic range and functionality.

Designed to rapidly measure the spectral transmittance of sunscreen products, especially those with high protection factors SPF 50 and above, the UV-2000S builds on the platform of Labsphere's industry standard UV-1000S with increased dynamic range and functionality.

The rugged bench top instrument quickly measures the diffuse transmittance of a product sample over the 280 nm – 410 nm wavelength range. A dual beam spectrometer with diffuse illumination accommodates accurate measurement of highly scattering samples. No filters are needed to prevent sample overexposure.

The application software automatically converts measurement data to provide the Sun Protective Factor (SPF), UVA to UVB ratio, critical wavelength, Boot Star Rating, and UVA-PF (COLIPA Method). The platform allows users to view, archive, retrieve and export data for measurements on both bare substrates and product substrates. The software is structured to support evolving regional methods for analyzing product UVA Protection Factor (e.g., revised Boot Star, PA+ Method, UVAI/UV Ratio, etc.), meeting foreseeable changes and challenges in the dynamic sun protection industry.

With accurate in-vitro measurement of SPF and UVA-PF, the UV-2000S can greatly reduce the need for expensive in-vivo testing protocols, such as UVA-PF based on Persistent Pigment Darkening. The unit's sample positioning stage, with user defined sample patterns, enables fast positioning with the accuracy required by approved and proposed UVA-PF test methods. The RoHS compliant instrument meets corporate environmental mandates on hazardous substances.

For further information, contact:

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About Labsphere

Labsphere is world leader in light testing and measurement, and optical coatings. The company's products include LED, laser and traditional light source light measurement systems; uniform light sources for imaging device calibration; spectroscopy accessories; and high diffuse reflectance materials and coatings for applications in backlit panel displays, computed radiography, and system calibration.

About Laser 2000

LASER 2000 GmbH specializes in distribution of laser sources, accessories, components and instrumentation in the area of industrial vision equipment, fibre optics, instrumentation, telecommunications, measuring devices, scientific research etc.

Our products are designed to meet the challenges of both research and industrial production as well as your actual or future requirements of your applications. Laser 2000 is headquartered in Munich, Germany and operates local offices in all major business areas of the European market. In order to support your application we deliver top-level service and products and meet the highest standard of quality. With an installed base of thousands of applications around the world, Laser 2000 has shown the ability to provide onsite-support in time.

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