PRODUCT LEAFLET

LabSensor UV-VIS

With the LabSensor UV-VIS in your Viso goniometer solution you will be able to measure visual light as well as UV light in one session. This special sensor allows for complete 3D light distribution and color measurements including UV from 200 nm to 850 nm

Applications

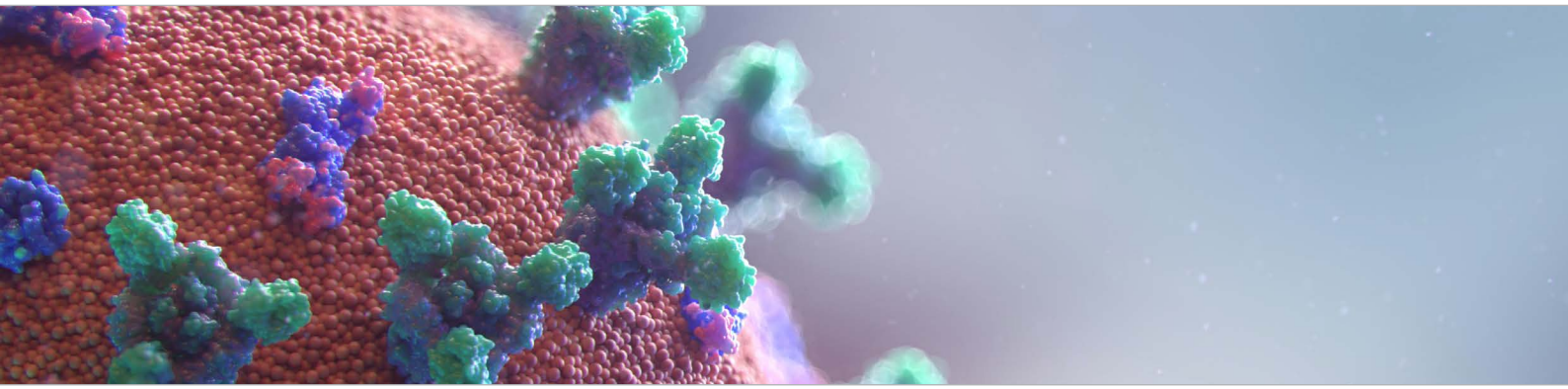
Many clients are interested in disinfection using UV light. The standard LabSpion sensor measures in the 360-830 nm range. The UV-VIS sensor range is 200-850 nm thus including UV-A, UV-B and most the UV-C range. Lighting fixtures for disinfection normally emit UV light in the 200-300 nm range.

Other clients needs to characterize UV lighting products and components for curing of polymers and glues.

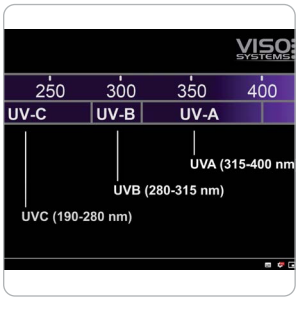
Build confidence in your UV lighting product

UV disinfection and curing is about dosis: The product of UV irradiance and specific exposure time on a given microorganism or polymer. A complete 3D characterization of the UV emission from a light source allows UV dose to be calculated correctly in any direction and distance from the source.

A detailed characterization of the 3D light output is essential for ensuring germicidal effect and minimizing exposure time and energy consumption



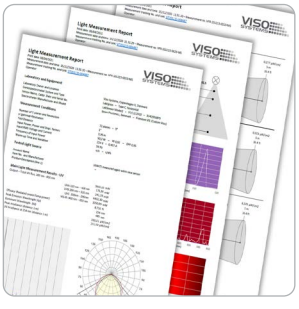
The Ibsen Freedom UV-VIS sensor is the heart of the solution



Make your own calibrations with the included DT300 UV-VIS calibration lamp

Upgrade your existing LabSpion with a LabSensor UV-VIS - or buy as a part of a new solution

Seamless integration with Viso pdf-reporting: All photometrics in one output



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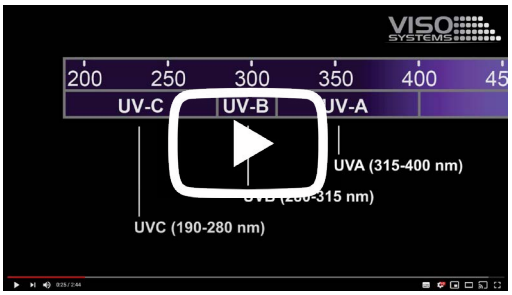
SPECIFICATIONS

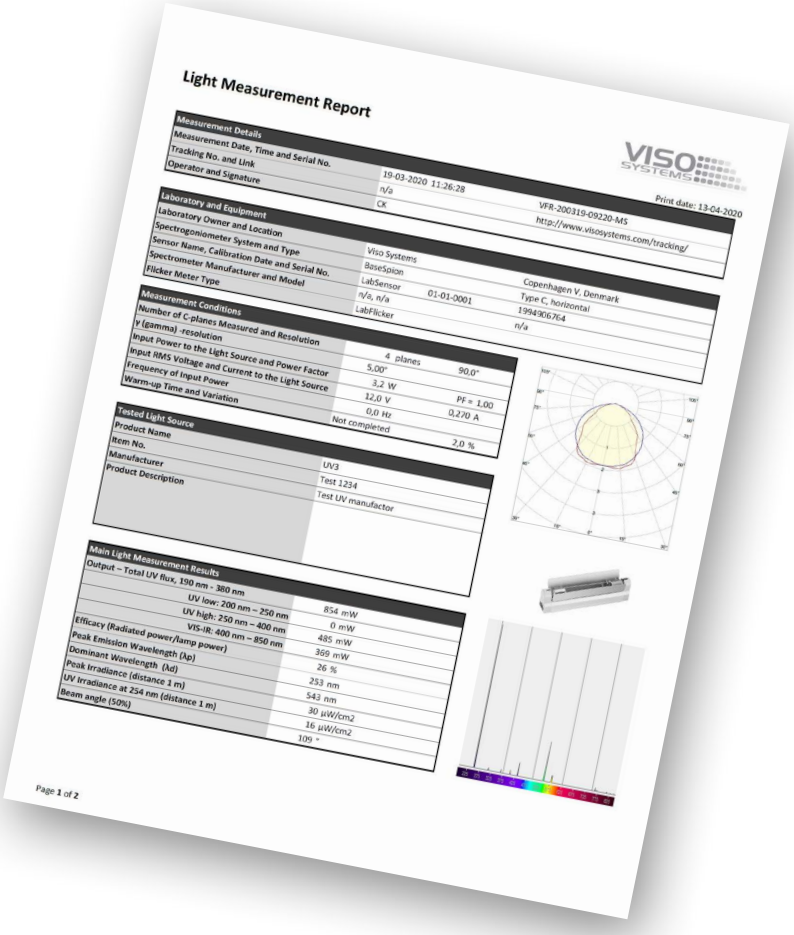
LabSensor UV-VIS from Viso Systems

KEY ADVANTAGES

- Measures visual light and UV light in one, fast session. A double c-plane measurement typically only takes 20-30 seconds
- Full spectral data in every direction
- Fully integrated with Viso Light Inspector software including customizable reports
- Full 3D measurement enables correct UV-dose (joule) calculations in all directions
- All software as usual: The user friendly Light Inspector
- Download all results in every detail for further analysis



Product video - 3-minute presentation



TECHNICAL SPECIFICATIONS

Link to website | Link to user manual

Physical dimensions	
Dimensions (L x W x H)	280 x 215 x 90 mm
Weight	2 kg
Output examples/UV	
Radiated spectral energy	In Watt/nm (or multiplied with t → Joule/nm
Irradiance	Irradiance in µW/cm2 or W/m2 in any direction and distance (can be multiplied with t → µJ/cm2 or J/m2).
3D	The UV radiation field can be shown in 3D
Peak irradiance (distance 1 m)	In µW/cm^2
Peak emission wavelength and dominant emission wavelength	In nm
Photometric	
Spectrometer type	Ibsen FREEDOM
Spectrometer range	200 - 850 nm (2048) pixels
Spectrometer detector	Hamamatsu S11639-01
Calibration	Fully calibrated plug and play solution
Accuracy	200 nm - 250 nm +/- 6.5% 250 nm - 400 nm +/- 5% 400 nm - 850 nm +/- 4%
Electric	
Connection	RJ45 Cat5
Power	Connection via RJ45 only 7.2 W