

Press Release

Gräfelfing, October 2010

UV LED measurement.

UV specialist Hönle develops broad band sensor for the intensity measuring of LED wavelengths.

UV measurement assures production process security and for research and development, reliable and repeatable test results in the laboratory. The market offers a selection of measurement devices with different sensor geometries which can be easily matched to the specific application. The physical classification of the UV spectrum in the UVA region is from 400-320nm, UVB from 320-380nm and UVC from 280- 200nm, in most cases the spectral sensitivity of the sensor is adapted accordingly. The specific characteristics of a broad UV spectrum can therefore be analysed in detail.

However, LED irradiation units do not produce a broad UV spectrum, but emit narrow bandwidths at specific wavelengths. Therefore, any intensity measurement of these bandwidths with conventional sensors is inaccurate. To enable the intensity measurement of LED UV units, Dr. Hönle AG has developed a broad band sensor which can measure across the bandwidth of all LED-wavelengths - from 365 to 405nm - with only one sensor. The UV LED measuring sensor is attached to a standard UV meter which automatically identifies the LED sensor when connected. The measured value is displayed in W/cm² or mW/cm² with a maximum intensity of 20W/cm².

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