

Press Release

Spatial radiation characteristics measured with high precision

At LpS 2019 in Bregenz Instrument Systems presents applications for high-precision spectroradiometers in combination with goniophotometers.

Munich, September 2019 – *At LpS 2019 in Bregenz from 24 to 26 September 2019 Instrument Systems will be presenting applications for high-precision spectroradiometers. Leading-edge lighting technology for the measurement of solid-state lighting sources will be demonstrated at several photometric and spectroradiometric measuring stations at booth #A13. One of the highlights is the recently introduced LGS 650 goniophotometer.*

The LGS 650 was developed by Instrument Systems especially for the analysis of angle-dependent spatial radiation characteristics of medium to large size SSL sources and LED modules and offers a space-saving as well as competitively priced alternative to the larger LGS 1000. The test specimen is measured in a horizontal burning position and measurements can be taken at an angular range of $\pm 160^\circ$ in the gamma axis. The high angular resolution of 0.01° spans a very fine measuring grid and ensures highly accurate and reproducible measuring data. The LGS 650 allows for the mounting of device specimen with a diameter of up to 1300 mm and a maximum weight of 10 kg and is compliant with all relevant specifications of CIE, DIN and IES standards. The LGS 650 is operated via the goniophotometer module of the SpecWin Pro software.

In Combination with one of Instrument Systems' spectroradiometer, e.g. CAS 140D, radiometrical and colorimetrical as well as photometrical parameter can be determined as a function of angle with highest precision. For the requirement of particularly time-critical measurements, Instrument Systems offers suitable photometer, for example the technological pioneering DSP 200. While the goniometer is in continuous movement, the DSP 200 captures the measurement values 'on-the-fly'.

Join us in a discussion of your particular measurement tasks with our experts at booth #A13 and listen to our expert lecture on the subject "Blue Light Hazard-Evaluation".

Lecture information:

"An Evaluation Guide for Blue Light Hazard"

Dr. Đenan Konjhodžić, 26 September 2019, 11:30 am, Seestudio

www.instrumentsystems.com

Figure:

The LGS 650 for measuring radiation characteristics of SSL products.



Further text material and photos:

<https://services.instrumentsystems.com/owncloud/index.php/s/0Arid2bL8LW0I3P>

Company portrait of Instrument Systems GmbH

Instrument Systems GmbH, founded in Munich in 1986, develops, manufactures and markets all-in-one solutions for light measurement applications. Its core products are array spectrometers and imaging colorimeters. The company's main fields of activity are LED/SSL and display metrology, spectral radiometry and photometry, where today Instrument Systems is one of the world's leading manufacturers. The Optronik line of products for the automotive industry and traffic technology is developed and marketed at its Berlin facility. Instrument Systems has been a wholly-owned subsidiary of the Konica Minolta Group since 2012.

File copy requested to:

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