



Dear Sir or Madam

electronica 2018 in Munich from 13–16 November will provide a good opportunity for technical discussions. Our experts will be ready to present our new photometric products in Hall A3 / 443. We offer a complementary guest ticket to all interested persons. Request by e-mail for your personal access code: sales@instrumentsystems.com

In this newsletter you can learn more about the latest trends in SSL light measurement technology.

We hope this makes for interesting reading!

Your Instrument Systems Team
sales@instrumentsystems.com

\\ HIGHLIGHTS AT A GLANCE

- ▲ Trends in light measurement technology
- ▲ Video: Goniophotometer in action
- ▲ LumiTop 4000: Higher resolution for better displays
- ▲ Seminar: Light and display measurement technology

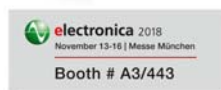
\\ TOPIC OF THE MONTH

Trends in light measurement technology

In all aspects of life, classical light sources are now being replaced by **SSL sources (solid state lighting)**. The latter enjoy widespread use not only in general lighting, but also in street lighting or as growth-stimulating light in plant cultivation (urban farming, multi-layer cultivation). In the development and production of luminaires it is crucial to accurately determine their **angle-dependent spatial radiation properties** with a view to suitable and eco-friendly applications. The LGS 650 goniophotometer was especially developed for the analysis of mid- to large-sized SSL sources and LED modules.

Besides SSL sources, laser sources (VCSELs) are growing in importance in scientific and high-tech applications – and meanwhile also in the field of sensing and lighting. These light sources are used, for example, in structure and surface analysis in medical and industrial applications. A high-resolution spectroradiometer, e.g. CAS140CT-HR, is required for the **absolute characterization of these narrow band emission sources**.

Both products can be experienced live at our booth A3/443 at electronica 2018:
13–16 November 2018
Munich Trade Fair Center



[Request your guest ticket →](#)



Video: Goniophotometer in action

New, low-cost solution for medium-sized to large SSL products: the LGS 650 Goniophotometer was developed for determining the angle spatial radiation properties of medium-sized to large SSL luminaires and LED modules. A new feature is the extended swivel arm for picking up samples with a maximum size of up to 1.30 m and a weight of 10 kg.

[more →](#)



LumiTop 4000: Higher resolution for better displays

The newly developed, spectrally enhanced LumiTop 4000 imaging colorimeter provides an effective resolution of 4096 x 3000 pixels (12 megapixels). It is based on the proven technology of the LumiTop 2700 with the following product highlights:

- \\ 2D measurements with extremely high measurement accuracy due to the connected high-end CAS 140CT/D reference spectroradiometer
- \\ 3-in-1 system with RGB-CCD camera, flicker diode, spectroradiometer
- \\ Easy integration into production lines
- \\ Various user-friendly analysis options

[more →](#)



Seminar: Light and display measurement technology

For the 4th time in succession, Instrument Systems is offering a two-day light measurement technology seminar with lectures and live demos from 26–27 November 2018. Our **experienced product specialists** will be providing hands-on advice on a broad spectrum of measurement methods for LEDs, luminaires and displays. An emphasis will be placed on the current challenges to be met on a daily basis in the laboratory, quality assurance and production. If you wish to receive qualified professional training, secure your place today!

We look forward to your attendance and entering into interesting discussions!

Seminar dates:
26–27 November 2018 at the Courtyard by Marriott Munich East

[more →](#)

\\ UPCOMING EVENTS - MEET US IN PERSON!



Moscone Center USA
2-7 February 2019

Booth #4545



Munich
13-16 November 2018

Hall A3 #443



Licht- und Displaymesstechnik
in Theorie und Praxis

Marriott Munich
26-27 November 2018

Seminar

Questions?
Contact us!



Recommend
newsletter



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