



### Dear Sir or Madam

Light measurement is also a major topic in production. For this reason we cordially invite you to visit us at **Booth A1.145 at Productronica in Munich**. We have assembled a wide range of measuring systems according to the motto: "Efficient production throughput thanks to innovative light measurement technology". These include applications for **production lines and EOL control** that can be used in various industries ranging from automotive and consumer electronics to lighting technology.

Your Instrument Systems Team

### \\ HIGHLIGHTS AT A GLANCE

- ▲ Efficient production throughput thanks to innovative light measurement technology
- ▲ Practical Training: State-of-the-art light and display measurement systems
- ▲ Productronica – Highlights
- ▲ Measuring the photometric quantities of an LED

### \\ PRODUCTRONICA 2019

## Efficient production throughput thanks to innovative light measurement technology

At Productronica 2019 we are presenting the newest generations of our proven measuring systems with 2D imaging colorimeters, spectroradiometers and integrating spheres that were designed to meet the current specific needs of the automotive and display industries. Our tailor-made solutions for precise laboratory measurements, fast quality controls and reproducible results will help you to achieve an efficient production throughput. Let us talk about your individual challenge. We look forward to your visit!



**Date:**  
12-15 November 2019  
Productronica, Booth A1.145

[Make an appointment](#) →



## Practical Training: State-of-the-art light and display measurement systems

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Learn all about LEDs, solid-state lighting and display measurement technology: What are the latest applications? What is the correct way to measure? Specialists from Instrument Systems will provide in-depth advice and support in laboratory, production and quality control applications. Seminar language is German.

**Seminar date:**  
26–27 November 2019 at the Novotel, Munich-East

[Register now!](#) →



## Productronica – Highlights

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**Precise color measurements with 2D imaging colorimeter**  
LumiCam 2400, Generation B

**Fast end-of-line display tests**  
Spectrally optimized LumiTop series

**Display characterization at pixel level**  
LumiTop X150 with a 150 MP color sensor

**LED binning through precise and fast sphere photometry**  
ISP integrating sphere with spectroradiometers of the CAS series

[Productronica news](#) →

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## \\ TECHNICAL ARTICLE



## Measuring the photometric quantities of an LED

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Anyone who buys an LED lighting fixture will be confronted with a mass of technical specifications. The relevant standards can help here to ensure that the photometric quantities are precisely measured and the results are comparable.

[Read article](#) →

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## \\ UPCOMING EVENTS - MEET US IN PERSON!



Hanau, Germany  
29-30 October 2019

**Lecture**



Munich, Germany  
5 November 2019

**Guided tour**



Munich, Germany  
12-15 November 2019

**Booth #A1.145**

Questions?  
Contact us!  
→

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