

press release

Special offer at Light+Building 2018: robogonio alpha 8

Robot-based goniophotometer at an unbeatable price

Frankfurt, March 18th, 2018 – During this year's Light + Building opsira presents a new model of the robogonio family: The robogonio alpha 8 – a robot goniophotometer available at an unbeatable price. "We are happy to present to our clients at the Light + Building 2018 the robogonio alpha 8 for precise measurements of luminous intensity distribution at a very attractive price. The robogonio alpha 8 is especially suited for luminaire manufacturers who need to measure luminaires frequently but not daily and still value precision," explains Jürgen P. Weißhaar, the general manager and owner of opsira GmbH.

The robogonio alpha 8 is a highly flexible goniophotometer suited for measurements in the field of general lighting (SSL). Luminous intensity distributions (LID) measurements are possible with very small luminaires to luminaires of up to 1.20 meters length. The measurement takes about 50 minutes. The maximum payload is eight kilogrammes and the work envelope radius is approximately 900 millimeters. Furthermore, the robogonio offers highest measurement resolutions of up to 0.01° and an angle repeatability of up to plus/minus 0.005°.

The robogonio alpha 8 with solid photometer frc'3

The robogonio alpha 8 is a model of the robogonio alpha line. This line stands out, because it is equipped with the solid photometer frc'3 for luminous intensity measurements. The alpha 8 combines this detector with a KUKA 6-axis robot. Jürgen P. Weißhaar: "Basically, our range of products is designed in the way that each detector can be combined with every robogonio size – the spectrum ranges from goniophotometers with payloads from four kilogrammes to up to 280 kilogrammes and more." Hereby the luminaires that need to be measured are the pivotal reason for the choice of the robogonio model. The bigger the luminaire or sample is, the wider the robot range needs to be.

Three product lines: variable size, highest flexibility and maximum precision

In general, opsira offers three product lines. Besides the already mentioned alpha line there is the pro line with the fast Class L photometer frc-f-l. This photometer allows high-resolution measurements of the luminous intensity distribution in no more than two minutes at an extremely high precision.

The top line works with the photometer frc-f-l as well as with an additional spectrometer which enables measurements of spectral distributions from UV to NIR. Colorimetric values in the visible spectral range are generated directly according to CIE and are saved in a measurement report." In fact, we offer the proper goniophotometer for every requirement," Weißhaar points out. Through its flexibility, the robogonio combines multiple types of goniophotometers in a single device. Moreover, its measurements are standard-compliant (i.e. according to DIN 5032-1, DIN EN 13032-1, CIE 121, CIE S 025), Type 1.1 (A), 1.2 (B) and 1.3 (C) are a piece of cake for the robogonio. And not to forget: the intuitive handling. "The robogonio is easy to operate, flexible and clever," Weißhaar states proudly. "And now it's even available for a truly unbeatable price."

opsira offers the robogonio alpha 8 at the Light Building 2018 in a special promotion for 66,000 Euros (plus VAT if any). The cost for setup and delivery as well as the CE-conformity assessment (if needed) are not included.

The offer is valid until June 30th, 2018.

Come and see the all-rounder yourself. We are looking forward to your visit at the Light + Building from 18 – 23 March 2018. **opsira booth K60 in Hall 4.1**

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Any configuration possible.

Example:

robogonio
alpha8

The alpha line is equipped with the solid photometer frc'3 for luminous intensity measurements. Measurements of the luminous intensity distribution (LID) are conducted step by step with the desired measurement resolution. A typical LID measurement takes about 100 minutes.



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opsira

The optics design expert has been operating successfully in the market for about 20 years. Starting as engineering service provider, opsira established as full-service provider including the design of optical systems, the development of customized optical measurement systems as well as high-tech products in the fields of photometry, spectrometry and goniometry. opsira's in-house lightlabs measure optical characteristics of products and components to ensure high quality of luminaires and light sources. The company has about 20 employees and focuses on general lighting, automotive, signal and medical lighting.

Find pictures here: www.opsira.com/downloads/press