



gonio'2pi-mini

The compact near-field goniphotometer

The fast-paced world of LEDs demands actual light source data for detailed optics simulations. Besides the data-sheet parameters, ray data play an increasingly important role in optics simulations with respect to the small size and the narrow distance between the optics and the light source. opsira's gonio'2pi-mini is a compact system at a favourable price for measuring ray data mono- and polychromatically.

gonio'2pi-mini provides all possibilities its big brother gonio'2pi offers, however at a clearly smaller size. The dark box option enables the operation of gonio'2pi-mini outside of the dark lab. gonio'2pi-mini uses the same high-quality opsira detectors as the „big“ gonimeters of the gonio'2pi series and the robogonio series. The modular system of detector adapters makes a fast and precise change of the detector systems possible.

opsira

www.opsira.com/gonio2pimini



Measuring quantities

Photometrical / radiometrical	total luminous flux or total flux (Φ) luminous intensity distribution (LID) of small light sources
Ray data	ray data in the universal orf format as well as for all current optics simulation tools, TM-25-13 angle-dependent luminance measurements

Specifications

Dimensions	L 840 mm x W 568 mm x H 1225 mm
Weight	about 60 kg
Measuring distance	about 360 mm
Angular resolution	0,05°
Detectors	luca – luminance measurement system frc'3 – photometer
Dynamics ray data	12bit within a measuring position, extendable to 16bit
Spatial deviation	≤ 0,1 mm

Configurations gonio'2pi-mini

- f	goniophotometer for measurement of total luminous flux (Φ)
- si	near-field goniophotometer for measurement of ray data
- sic	near-field goniophotometer for measurement of polychromatic ray data
- spr	goniophotometer for measurement of the total luminous flux (Φ) and the angle-dependent spectral distribution

Accessories and add-ons

Several light source fixtures (E14, E27, Zhaga...)
spr'3 - spectroradiometer for angle-dependent measurement of the spectral emission
luca'color - color camera add-on for measurement of polychromatic ray data
Several different lenses for adaptation of the measuring field
Compact light box
External constant voltage and power supply