PHOTOMETERS

peo PHOTONICS

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Partner **Other**

Product offering

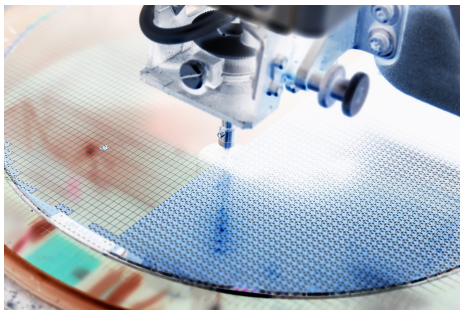
GL PHOTOMETER 3.0 + Flicker

GL PHOTOMETER 3.0 LS + Flicker

GL PHOTOMETER 3.0 TEC

GL PHOTOMETER 3.0 + Flicker

GL PHOTOMETER 3.0 + Flicker is a high sensitivity and high sampling rate photometer capable of extensive measurements of light flicker in addition to regular photometry. Such features as wide dynamic range (0,001 – 10 000 000 lx), uncertainty of spectral response (f1’) less than 3 % (Class A) and cosine correction (f2’) below 1,5% (class A) allow even the most demanding measurement tasks to be solved.



High sensitivity and high sampling rate (125 kHz) photometer capable of extensive measurements of light flicker in addition to regular photometry. This device connects directly to PC by USB, to be controlled by GL Spectrosoft or dedicated API for external software use. Spectral response of the photometer precisely matches spectral sensitivity of human eye. This eliminates errors resulting from measurements of different type of light sources that are usual for this type of meters. High class of cosine correction of the measuring probe allows to eliminate errors induced by the direction of incoming light. Prepared for universal use in variety of applications that require optical system with cosine correction.

Key Features:

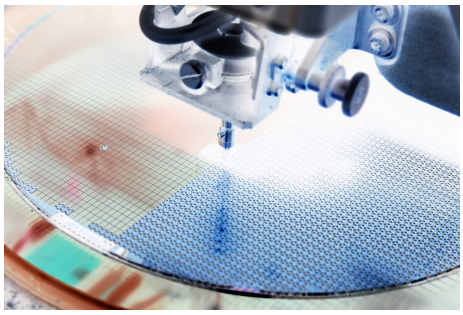
- Spectral response of class A
- Cosine correction of class A
- 125 kHz 18 bit sampling rate
- Super wide dynamic range in a single setting mode
- Powered and controlled via USB connection

Applications include high quality flicker measurements with long term sampling, use as an integrating sphere photometer for accurate luminous flux testing, and high precision illuminance measurements in both laboratory and field conditions.

For more information, simply complete the contact form, and a member of our team will be in touch shortly.

GL PHOTOMETER 3.0 LS + Flicker

GL PHOTOMETER 3.0 LS + Flicker makes many thousands of measurements per second to reproduce precisely a photometric Luminous Intensity Curve for each plane. Results are obtained much faster and You can make a fast scan of an LED lamp even in a few minutes or a full scan of an asymmetric street lamp with variable light distribution in less than half an hour.



High sensitivity and high sampling rate (125 kHz) photometer capable of extensive measurements of light flicker in addition to regular photometry. This device connects directly to PC by USB, to be controlled by GL Spectrosoft or dedicated API for external software use. Spectral response of the photometer precisely matches spectral sensitivity of human eye. This eliminates errors resulting from measurements of different type of light sources that are usual for this type of meters. LS version is prepared for goniometric measurements to work together with stray light eliminating tube. Such setup does not use optical elements responsible for cosine correction, what results in increased sensitivity.

Key Features:

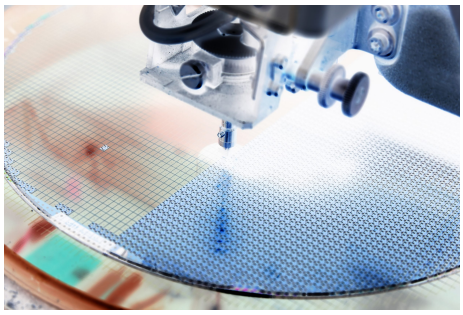
- Spectral response of class A
- Increased sensitivity for goniophotometry
- 125 kHz 18 bit sampling rate
- Super wide dynamic range in a single setting mode
- Powered and controlled via USB connection

Applications include high quality flicker measurements with long term sampling for detailed temporal light analysis, and goniometric measurements where precise angular distribution and flicker behavior of luminaires must be characterized.

For more information, simply complete the contact form, and a member of our team will be in touch shortly.

GL PHOTOMETER 3.0 TEC

GL PHOTOMETER 3.0 TEC is a class L (DIN 5032-7:2017) photometer with thermally stabilized photodiode. High sensitivity and high sampling rate (125 kHz) enables extensive measurements of light flicker in addition to regular photometry. It is prepared for goniometric measurements to work together with stray light eliminating tube. Such setup does not use optical elements responsible for cosine correction. This device connects directly to PC by USB, to be controlled by GL SPECTROSOFT or dedicated API for external software use.



A high-sensitivity, Class L (DIN 5032-7:2017) photometer equipped with a thermally stabilized photodiode. It supports advanced light flicker analysis with a high sampling rate of up to 125 kHz, alongside standard photometric measurements. The device connects directly to a PC via USB and is operated using GL Spectrosoft or a dedicated API for integration with external software. It is also configured for goniometric measurements in combination with a stray-light-eliminating tube. In this configuration, no optical components for cosine correction are used.

Key Features:

- Illuminance measurement Class L
- Thermally stabilized sensor
- High sensitivity for goniophotometry
- 125 kHz 18 bit sampling rate
- Super wide dynamic range in a single setting mode
- Controlled via USB connection

Applications include high quality flicker measurements with long term sampling for detailed temporal light analysis, and goniometric measurements where precise angular distribution and flicker behavior of luminaires must be characterized.

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