

GL PHOTOMETER 3.0 + FLICKER

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.

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



APPLICATION

Application High quality flicker measurements including long term sampling, integrating sphere photometer, high precision illuminance measurements

MEASUREMENTS

Measurement range	0.001 lx ... 10 000 000 lx
Resolution	4 significant digits
Uncertainty of spectral response (f1')	Class A < 3 %
Uncertainty of cosine correction (f2')	Class A < 1.5 %
Sampling frequency	125 kHz
A/D conversion	18 bit

PROPERTIES

Software	GL SPECTROSOFT or API for external software developers
Dimensions [H x W x D]	115 mm x 65 mm x 51 mm
Weight	350 g
Connectivity	USB A-B
Power	USB, 5V <200 mA
Tripod adapter	1/4"

ORDERING INFORMATION

Case	✓
USB cable	✓
Part number:	No. 202295

Note: Instrument, firmware and software specification are subject to change without prior notice. All information included in GL OPTIC datasheets and product information available in any form are carefully prepared and included information believed to be true. Please note that discrepancies may occur due to text and/or other errors or changes in the available technology. We advise to contact GL Optic before the use of the product to obtain the latest product specification.

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Light quality control

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