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
- 125kHz 18bit 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
350g

Connectivity
USB A-B

Power
USB, 5V <200mA

Tripod adapter
¼"

ORDERING INFORMATION
Case
✓

USB cables
✓

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.

GL Optic | Poznanska 70 | PL62-040 Puszczykowo | POLAND | +48 61 819 40 03 | Tel.: +49 (7023) 7457-514 | office@gloptic.com | www.gloptic.com
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