

LIGHTmetric ONE

SETS NEW STANDARDS
PRECISE AND INTUITIVE

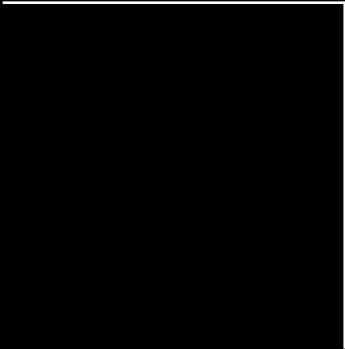


Gigahertz-Optik

Member of the BERGHOF GROUP



HIGH DESIGN-STANDARDS -
THE PERFECT DEVICE FOR LIGHT ARTISTS



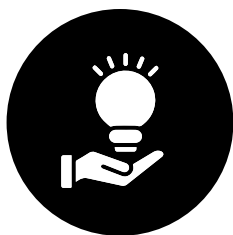
The LIGHTmetric ONE was developed together with filmmakers and photographers - to meet the demands of the industry. High-quality work requires high-quality equipment and that includes when measuring light.

The LIGHTmetric ONE is your smart and compact companion on set. This handheld measuring device delivers precise light measurement regardless of whether it is studio lighting or an outdoor shoot and whether with minimum or maximum illumination.

Easy to use with clear display of all the important data. Ready for use whenever it is needed.



LIGHTmetric ONE



SMART Solution

Compact and handy - easy to use. The LIGHTmetric ONE is the smart companion on set. Ready for use at any time and always precise.



SETS NEW STANDARDS
PRECISE AND INTUITIVE

The LIGHTmetric ONE provides all the measurement data needed on set or in post-production.

The touchscreen and rotating measuring sensor ensure intuitive operation and quick readiness for use. Thanks to the integrated tripod mount on the back of the device, the LIGHTmetric ONE can always be optimally positioned and perfectly aligned. A Flash Sync port is available for measuring flash light.

QUICK FACTS:

Measured variables:

- Illuminance (Lux)
- Color temperature CCT (K)
- Color Rendering (CRI)
- Spectral Similarity Index (SSI)
and many more...

Highlights:

- Intuitive operation
- High measurement accuracy
- Flash sync port for flash measurement
- Memory card slot
- Bluetooth with app for iOS and Android remote control

Thanks to a specially developed app, data can be easily transferred and used for post-processing of the image material.



Design by: @freepiker.com

LIGHTmetric ONE

THE IMPORTANT INFORMATION FOR TECHNOLOGY ENTHUSIASTS.

The rotatable device head contains a light sensor, which incorporates a high sensitivity spectroradiometer that covers the spectral range from 360 nm to 830 nm (V-lambda range according to CIE S 023) with a spectral bandwidth of 10 nm.

In addition, the device offers optical bandwidth correction (CIE 214) to further increase the quality of the reported values calculated from the spectral measurement data. The LIGHTmetric ONE offers its users an outstanding measuring range of illuminance (1 lx to 350,000 lx) and color temperature (1700 K - 17000 K).

Other measurements are also available, including:

- TM-30 (Color Checker)
- CIE xy color coordinates
- CIE u'v' color coordinates
- Info display (shows all measurement settings at a glance)

This is just to name a few functions. It is possible to expand this list via firmware update. Please feel free to contact us at sales@gigahertz-optik.de.



BEST Purpose

Users from the film and television industry were actively involved in the development of the device. This ensures that the device is optimally adapted to the particular needs of individual users.



PERFECTLY MATCHED TO YOUR
LIGHTING APPLICATION.

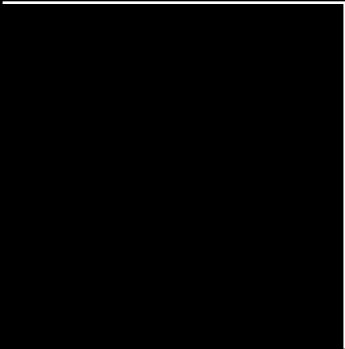


High QUALITY, COST-EFFICIENT design

The attractive price of the measuring device belies the high-quality design of the light measurement technology.



BEST QUALITY FOR
THE BEST PRICE



The LIGHTmetric One offers you the combination of high-quality design and an attractive price.

Our goal, just like yours, is to make our customers happy. So, when developing the LIGHTmetric ONE the focus was on providing our customers with excellent functionality along with high accuracy. Our ISO 17025 traceable calibrations testify to our striving to always offer you the best possible measurement technology.

For this reason, every LIGHTmetric ONE is delivered with an individual calibration certificate. Each LIGHTmetric ONE is calibrated in Gigahertz Optik GmbH's in-house testing and calibration laboratory (accredited in accordance with ISO/IEC 17025 for the measurement of spectral sensitivity and spectral irradiance).



LIGHTmetric ONE

SETS NEW STANDARDS IN ACCURACY AND INTUITIVENESS

Specifications	
Wavelength range	(360 - 830) nm
Measuring range	(1 - 350000) lx
Optical bandwidth	10 nm with CIE 214 correction
Entrance optics	10 mm dia. Cosine diffuser, $f2 \leq 3\%$
App	Compatible with Android and iOS
Usability	Intuitive measuring device with touchscreen
Features	Rotatable sensor head
	Tripod mount
	Flash sync
x, y reproducibility	± 0.0002
$\Delta x, \Delta y$ uncertainty	± 0.002 (standard illuminant A)
CCT measuring range	(1700 - 17000) K
ΔCCT	± 50 K (standard illuminant A)
Interface	USB 2.0
Temperature range	Operation: + 10 ° C to + 30 ° C
Charging device	via + 5V USB
Battery life	At least 8 hours of operation
Dimensions	136 mm x 74 mm x 32 mm







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