

MaVo_lux B/C USB & MaVo_spot USB

Instruments for Light Measurement



MaVo_spot USB

Precision Light & Luminance Meter

The MaVo_spot USB is a precision measuring instrument for specific requirements of professional users. It features a measuring angle of 1° and provides luminance measurements for distances between 1m to ∞ .

The MaVo_spot is equipped with a high quality SLR optical system having a viewing field of 15° and clearly marked measuring angle of 1° in the center. An external focusing ring is also provided. Two close-up lenses (optional) allow for a measuring distance down to 34 cm.

Contact measurements of the luminance directly on the screen of the monitor can be performed with a photometric measuring probe (optional accessory for this purpose).

The light sensor's spectral responsivity is matched to the photopic daylight vision of the human eye $V(\lambda)$. The accuracy classification for luminance meters is defined in DIN 5032-7, class B and in EN 13032-1, Appendix B. The MaVo_spot USB fully meets all the requirements of Class B!

A data memory for storing up to 1000 single measuring values, which can be subdivided into 10 groups, is available in the MaVo_spot USB. The memory data can be visualised and processed directly via the key pad and the display, or also in the PC via USB Port (standard software is included).

Technical Specifications

- _ Distance and Proximity Measurement at back-lit or light emitting surfaces, i.e. (viewing boxes or monitors)
- _ Spectral responsivity matched to the photopic vision of the human eye $V(\lambda)$
- _ Luminance Measurement in cd/m^2 or fc
- _ Comfortable Cleartext Display
- _ Easy-to-use: Self-explaining 4 Buttons, 1 Switch
- _ Configuration via DIP switch in the battery compartment, if required
- _ Storage of up to 1000 measurements
- _ USB connector, Cable, Software and Case included in the delivery
- _ Fully automatic Measurement Range Switch
- _ Measurement Range 0.01 cd/m^2 to $999\,990 \text{ cd/m}^2$ (4 Measurement Ranges)
- _ Measuring Methods: Contact or Distance Measurement
- _ Features: Storage Memory, Manual Correction Input
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- _ Weight: 400g w/o Battery
- _ Luminance Head Section, Close-Up Lenses, Lense Cover included

Also available

Reflexion Standard (recommended)

Carrying Strap

QUART MONI_lux Ambient Light Monitoring Device



MaVo_lux B/C USB

Light & Luminance Meter (Class B or Class C)

MaVo_lux 5032 B USB

Luminance Measurement and Light Measurement (Class B Mode)

- _ Contact Measurement at back-lit or light emitting surfaces, i.e. (viewing boxes or monitors)
- _ Spectral responsivity matched to the photopic vision of the human eye $V(\lambda)$
- _ Luminance Measurement in cd/m^2 or fc
- _ Easy-to-use, connector between base and cable, back-lit display
- _ $3\frac{1}{2}$ digit display
- _ Storage Memory for 100 measurements, manual or Auto Range Switch
- _ USB 1.1 Interface
- _ Software CD-ROM for device management and measurement administration
- _ Transport Case and USB cable included in the delivery
- _ Measurement Range lux: 0.01 lux - 199 900 lux
- _ Measurement Range cd/m^2 : 0.1 cd/m^2 to 199 900 cd/m^2
(5 measurement ranges including luminance head mode)
- _ Measurement Rate: 2 measurements/sec.
- _ Weight: 265g w/o Battery
- _ Luminance Head w/ lense cover included in the delivery

MaVo_lux 5032 C USB

Light Measurement and Basic Luminance Measurement (Class C only)

For use in Medical Applications, measurement devices should operate in Class B mode! (See above)

- _ Contact Measurement at back-lit or light emitting surfaces, i.e. (viewing boxes or monitors)
- _ Spectral responsivity matched to the photopic vision of the human eye $V(\lambda)$
- _ Light Measurement in cd/m^2 or fc
- _ Easy-to-use, solid connection between base and cable
- _ $3\frac{1}{2}$ digit display
- _ Storage Memory for 100 measurements, manual or Auto Range Switch
- _ USB 1.1 Interface
- _ Software CD-ROM for device management and measurement administration
- _ Transport Case and USB cable included in the delivery
- _ Measurement Range lux: 0.1 lux - 199 900 lux
- _ Measurement Range cd/m^2 : 1 cd/m^2 to 199 900 cd/m^2
(4 measurement ranges only including luminance head mode)
- _ Measurement Rate: 2 measurements/sec.
- _ Weight: 265g w/o Battery
- _ Luminance Head w/ lense cover included in the delivery

