

BrightnessMeter

DB22-LM

When you purchase this luminance meter, it signifies a step forward in the field of precision measurement. This instrument is a computer-based testing tool, and with proper operational techniques, its durability can withstand years of use. Before use, please carefully read this manual and store it in a readily accessible location.

1. Characteristic

The product undergoes rigorous spectral and angular characteristic calibration, ensuring stable performance and strong applicability. This instrument is suitable for brightness testing in various applications such as display screens, backlight panels, and lighting fixtures.

1. The spectral and angular characteristics have undergone rigorous calibration, demonstrating excellent stability.
2. Utilizing microcomputer technology, it features low power consumption and high precision.
3. Digital LCD display with backlight operation capability
4. Numbers have a hold function. The Hold key locks data for easy recording and comparison.
5. The device comes with a USB cable for direct connection to a computer's USB port (optional).

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2. Specifications

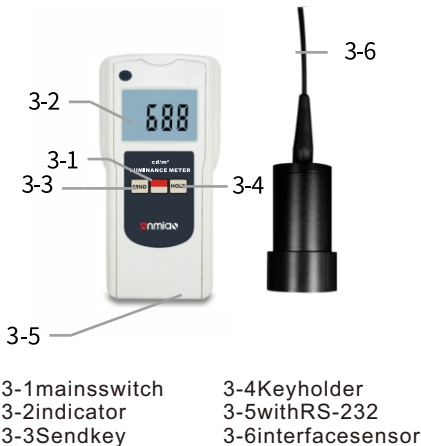
2.1 General Parameters

- Display: LCD screen
- measuring range : 0-9999cd/m²
- Weight: Approximately 200g (including battery)
- Wavelength: 400-700 nm
- Dimensions: Main unit: 140x70x31 mm
Sensor: 125x38x38 mm
- Measurement accuracy: ±5%
- Resolution: 0.1 cd/m²
- Baseline line: 1-meter length. Extension requires customization.
- Sampling time: approximately 0.5 seconds
- operational condition :
- Temperature: 0-50°C (32- 122°F)
- Humidity: less than 80% RH
- Power source: 4 x 1.5V AAA

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Standard configuration: Host computer, User Manual, Portable case
Optional: Bluetooth adapter and software, RS-232

3. Panel Description



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4. Measurement Routine

- 4.1 Connect the main power supply to the power switch (3-1).
- 4.2 Hold the sensor handle (3-6) and orient the light sensor toward the target point. When the reading stabilizes, record the measurement value. To ensure measurement accuracy, position the light sensor perpendicular to the light source being measured.
- 4.3 During measurement, simply press the hold button (3-4) until the "MAX" symbol appears on the screen to maintain the measurement.

The maximum value. To clear the hold, simply press the hold button (3-4) again.

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5. Computer Connection

- 5.1 Use the optional "RS232C data line output" and "Bluetooth Bluetooth data output enables communication with PC computers to achieve data acquisition, processing, analysis, and printing.
- 5.2 Data Sending Function.
Press the send key (3-3) to send data
After being sent to the computer, users can export the required document format based on their actual needs.
- 5.3 For online measurement procedures, refer to the Testsetup.exe file on the software CD.

6. Replace Battery

- 6.1 When the battery voltage is

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- approximately 5 V, the display The battery icon appears. Replace the battery.
- 6.2 Open the battery cover and remove the battery.
 - 6.3 Install the battery correctly according to the label on the battery case.

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