



# Dr meter LX1010BS Handheld Split Type Design Digital Light Meter Instruction Manual

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Digital Illuminance Meter  
Model: LX1010BS  
Operation Manual

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## Instruction

Your purchase of this DIGITAL LUX METER marks a step forward into the field of precision measurements. Although this lux meter is a complex and delicate instrument, its ruggedness makes it durable if it is operated properly. Please read the following instructions carefully and keep this manual handy.

## Features

- Precise and easy reading.
- High accuracy in measurement.
- LSI-circuit use provides high reliability and durability.
- Wide range of light measurements.
- LOW BATTERY indicator.
- Auto zero adjustment.
- LCD display consumes low power and can be read clearly even in high ambient light.
- Detached LIGHT SENSOR enables user to take measurements at an optimum position.

## Specifications

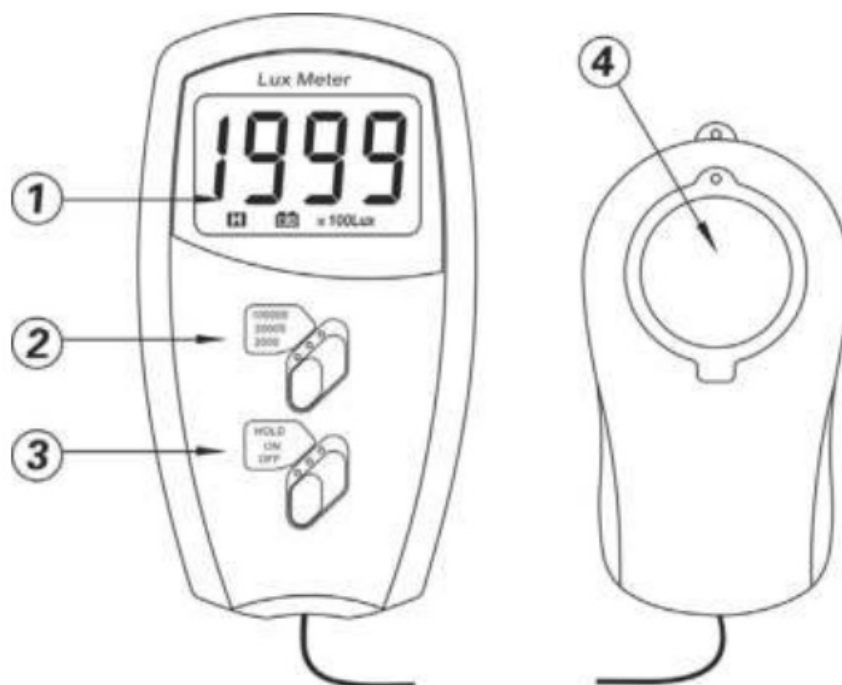
Display	3 1/2 digits LCD display, 1,999 counts
Measuring Range	1-100,000 Lux. (3 Ranges) 2,000 Lux range: reading x 1 20,000 Lux range: reading x 10 100,000 Lux range: reading x 100

Range	Resolution	Accuracy (23±5°C)
0- 2,000 Lux	1 Lux	± (4%rdg+2d)
2,000- 19,999 Lux	10 Lux	± (4%rdg+2d)
20,000-100,000 Lux	100 Lux	± (5%+2d)

**NOTE:** Accuracy tested by a standard parallel light tungsten lamp of 2854°K temperature

Repeatability	± 2%
Temperature Characteristic	±0.1d/C
Testrate	0.2 times/sec
Photo detector	One silicon photo diode with filter
Operation temperature-humidity	-10C to 40C (32 F -104 °F) 0-70%Rh
Storage temperature-humidity	-10C to 50C (14 °F -140 F) 0-80%Rh D159
Over-input	Indication of “1” (2,000Lux/20,000Lux) Indication of “OVER” (100,000Lux)
Dimension	1 06x57x26mm (Photo detector) 130x72x30mm (Meter body) 1 50cm (Photo detector lead)
Weight	170g
Power Supply	One 9V battery, Consumption current approx.2mA
Accessories	Instruction-manual , battery, carrying case

### Name of Parts & Positions




1. LCD display
2. Turn off, turn on, value hold
3. Range select button
4. Photo detector

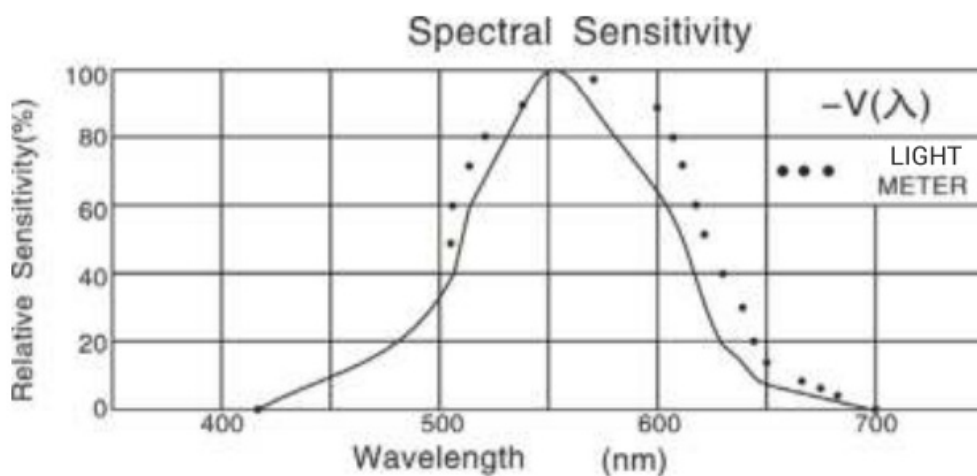
### Operating Instructions

1. Install the battery, and then switch the button 2 to ON"
2. Push down the range selection switch to desired range
3. Remove the photo detector cap and face it to the light source in a horizontal position
4. Read the test value from the LCD display.
5. Out of range: If the instrument only displays one 1 in the LCD, it means the light source is too bright, and a higher range should be selected.
6. Data-Hold mode: Switch the button 2 to "HOLD" to select Hold mode. When "HOLD" mode is selected, the LUX meter stops all further measurements and the test value will be hold on the display. Switch the button HOLD" to the ON', the hold value will be cancelled.
7. When the measurement is completed, snap on the cap on the photo detector and switch the power selector (button 2) to "OFF"

## Battery Check-up & Replacement

1. It is necessary to replace with a new 9V battery, when left corner of LCD display show "  "
2. After turning off the meter, remove the battery cover
3. Disconnect the battery from the meter and replace it with a standard 9-volt battery and press the cover back into the place

## Spectral Sensitivity Characteristic



## Maintenance

1. Clean the white plastic dome on the top of the detector with a damp cloth when necessary.
2. Don't store the instrument where temperature of humidity is excessively high.

## Recommended Illumination

OFFICE	Conference, reception room	200 ~ 750Lux
	Clerical work	700 ~ 1,500Lux
	Typing drafting	1,000 ~ 2,000Lux
FACTORY	Packing work, entrance passage	150 ~ 300Lux
	Visual work at production line	300 ~ 750Lux
	Inspection work	750 ~ 1,500Lux
	Electronic parts assembly line	1,500 ~ 3,000Lux
HOTEL	Public room, cloakroom	100 ~ 200Lux
	Reception, cashier	220 ~ 1,000Lux
STORE	Indoors stairs corridor	150 ~ ' 200Lux
	Show window, packing table	750 ~ 1,500Lux
	Forefront of show window	1,500 ~ 3,000Lux
HOSPITAL	Sickroom, warehouse	100 ~ 200Lux
	Medical examination room	300 ~ 750Lux
	Operation room, emergency treatment	750 ~ 1,500Lux
SCHOOL	Auditorium, indoor gymnasium	100 ~ 300Lux
	Class room	200 ~ 750Lux
	Laboratory, library, drafting room	500 ~ 1,500Lux

## FCC Statement

This device complies with Part 15 of the FCC Rules.  
Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.


Learn more about the UK Declaration of Conformity, Please click below link to download.

<http://files.drmmeter.com/lx1010bs-uk-doc.pdf>

Learn more about the EU Declaration of Conformity, Please click below link to download.

<http://files.drmmeter.com/161-61010-07-DOC-UK.pdf>

## Documents / Resources

	<a href="#">Dr meter LX1010BS Handheld Split Type Design Digital Light Meter</a> [pdf] Instruction Manual LX1010BS Handheld Split Type Design Digital Light Meter, LX1010BS, Handheld Split Type Design Digital Light Meter, Split Type Design Digital Light Meter, Type Design Digital Light Meter, Design Digital Light Meter, Digital Light Meter, Light Meter, Meter
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References

- [User Manual](#)

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