www. drmeter. com

Dr.meter

Digital Illuminance Meter

Model: LX1010B

Operation Manual

www. drmeter. com

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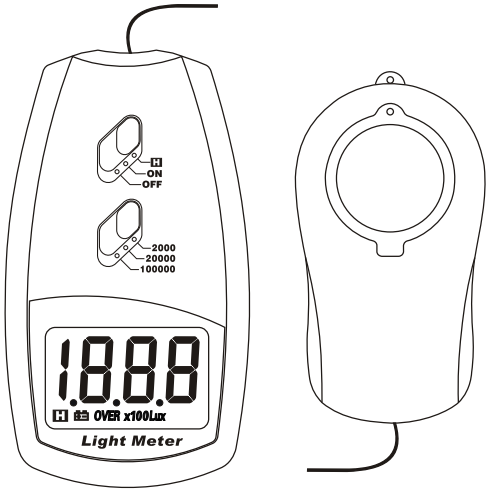


As this device is an intellectual precise measurement apparatus, it is very important that you read through these instructions before using this device.

Your purchase of this DIGITAL LUX METER makes a step forward for you into the field of precision measurements. Although this LUX METER is a complex and delicate instruments, it's ruggedness will allow many years of use if proper operating techniques are developed. Please read the following instructions carefully and always keep this manual within easy reach.

IX REFERENCE LIST

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

Ⅶ MEASURING CONSIDERATION

As the DIGITAL LUX METER is a high accurate & sensitive instrument and its PHOTO SENSOR has special feature for the curve on low display reading area.Therefore if display indicates one or more leading zeros,user has to shift Range switch to the next lower range scale to improve resolution and accuracy.For example.

Range	x1	X10	X100
Display Reading	182	018	002

User should select Range Switch to "x1" range,and the exact reading values is 182 LUX.

Ⅷ REPLACEMENT OF BATTERY

1. It is necessary to replace battery,when left corner of LCD display show "".
2. Slide the battey cover.
3. Replace the battery (oo6P DC 9V)

Ⅰ FEATURES

- Precise and easy readout.
- High accuracy in measuring.
- LSI-circuit use provides high reliability and durability.
- Permits a wide range of light measurements.
- LOW BATTERY indicator.
- Auto zero adjust.
- LCD display provides low power consumption.
- Compact,light-weight, and excellent operation.
- LCD display can clearly read out even in high ambient light.
- Separate LIGHT SENSOR allows user take measurements at an optimum position.

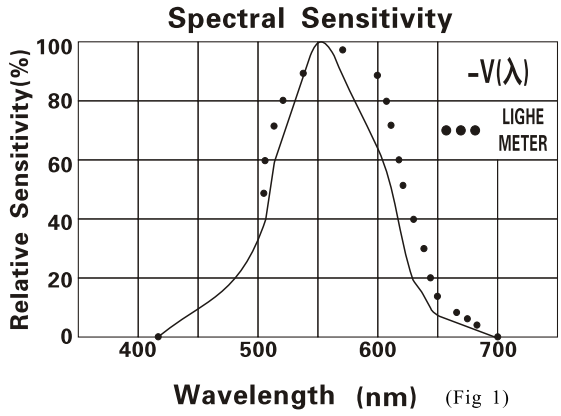
Ⅱ GENERAL SPECIFICATIONS

Display: 18mm(0.7″) LCD (Liquid Crystal Display)
Ranges: 1～100,000 Lux.(3 Ranges)
Over-input: Indication of "1"
Sampling Time: 0.4second
Operating Temperature: 0℃ to 50℃(32℉ to 122℉)
Operating Humidity: less than 80%R.H
Dimension: 130x72x30mm
Weight: 170g/including battery
Power Supply: 006P DC9V battery
Consumption current approx.2mA
Standard Accessories: Light Sensor.....1 pc
Instruction manual.....1pc

III ELECTRICAL SPECIFICATIONS

Range(Lux)	Resolution(Lux)	Accuracy(23±5℃)
0~1,999	1	±(4%rdg+2d)
2,000~19,999	10	±(4%rdg+2d)
20,000~100,000	100	±(5%+2d)
NOTE: Accuracy tested by a standard parrallel light tungsten lamp of 2854 K temperature		

IV SPECTRAL SENSITIVITY CHARACTERISTIC: (Fig 1)



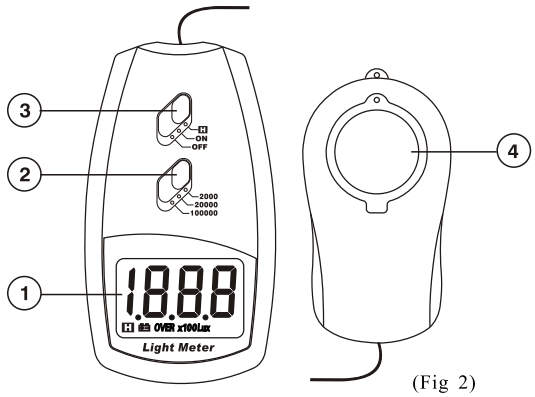
(Fig 1)

V CORRECTION FACTOR

Mercury Lamp.....x1.1
Fluorescent Lamp.....x1.0
Incandesent Light.....x1.0
Daylight.....x1.0

VI PANEL DESCRIPTIONS (Fig 2)

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



(Fig 2)