

DIGITAL LUX METER

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This Digital Lux Meter is small in size, light in weight, easy to carry. Although complex and advanced, it is convenient to use and operate. Its ruggedness will allow many years of use if proper operating techniques are followed. Please read the following instructions carefully and always keep this manual within easy reach.

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1. FEATURES

- * Wide measuring range and high resolution.
- * Digital display gives exact reading with no guessing or errors.
- * In build LOW BATTERY indicator.
- * Auto zero adjustment.
- * Separate Light-SENSOR allow user take measurement at optimum position.
- * The use of durable, long-lasting components, including a strong, light weight ABS-plastic housing assures maintenance free performance for many years. The housing has been carefully shaped to fit comfortably in either hand .

2. GENERAL SPECIFICATIONS

Display: 3 1/2 digits, 10 mm LCD
 Range: 0~50000 lux, 3 ranges
 Over-put: Indication of "1"
 Sampling time: 0.4 s
 Power supply: 4x1.5 AAA battery
 Operating condition: Temp. 0~50°C
 Humidity <80%
 Size: 132x64x30 mm
 Light sensor 96x58x16 mm
 Weight: about 325g (including batteries)

Accessory:

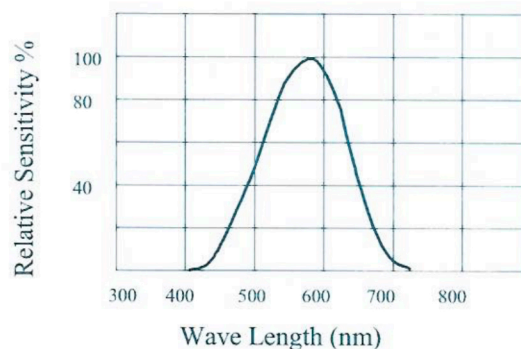
Carrying case 1 pc.
 Operation manual 1 pc.
 Sensor 1 pc.

3. ELECTRICAL SPECIFICATIONS

Range	Resolution	Accuracy (23±5°C)
0-1,999 Lux	1 Lux	± (5%n+10d)
2,000-19,999 Lux	10 Lux	± (5%n+10d)
20,000-50,000 Lux	100 Lux	± (5%n+10d)

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

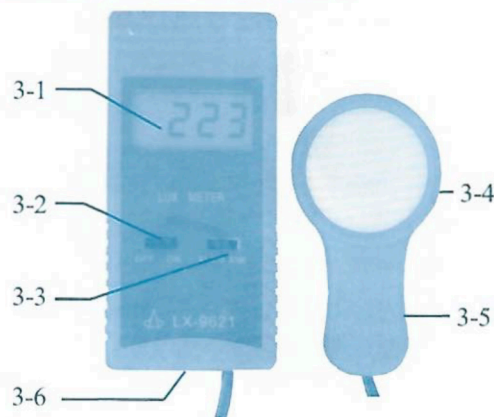
4. SPECTRUM FOR LIGHT SENSOR



5. CORRECTION FACTOR

Mercury Lamp	x1.1
Fluorescent Lamp	x1.0
Incandescent Light	x1.0
Day light	x1.0

6. FRONT PANEL DESCRIPTIONS



- 3-1 Display
- 3-2 Power switch
- 3-3 Range switch
- 3-4 Light sensor
- 3-5 Sensor handle
- 3-6 Battery compartment/Cover

7. MEASURING CONSIDERATIONS

As the DIGITAL LUX METER is a high accuracy 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, the user has to shift Range switch (3-3) to the next low scale to improve resolution and accuracy.

8. REPLACEMENT OF BATTERY

- 8.1 It is necessary to replace batteries when the symbol “LOBAT” shows up on the display.
- 8.2 Slide the battery cover (3-6) away from the instrument and remove the batteries.
- 8.3 Install the batteries (4x1. 5v AAA) correctly into the case.
- 8.4 If the instrument is not to be used for any extended period, remove batteries.

9. ADEQUATE LIGHT FOR WORK AREA

See the table below.

LUXE LOCATION		ADEQUATE LIGHT LEVELS FOR WORK AREA															
		10000	5000	3000	2000	1500	1000	750	500	300	200	150	100	75	50	30	20
FACTORY		ELECTRONIC PARTS ASSEMBLY LINE DRAFTING			TYPE SETTING AT PRINTING SHOP INSPECTION WORK		VISUAL WORK AT PRODUCTION LINE		PACKING WORK		EXIT ENTRANCE PASSAGE			INDOOR EMERGENCY STAIRS WAREHOUSE LOADING OR UNLOADING WORK			
OFFICE		TYPING DRAFTING			CLERICAL WORK		CONFERENCE ROOM DINNING ROOM RECEPTION ROOM			CORRIDOR STAIRS		ENTRANCE WAREHOUSE		INDOOR EMERGENCY STAIRS			
HOME		SEWING			READING STUDY		MAKE UP		DINNING TABLE	RECREATIONAL ACTIVITIES	WASHING						
STORE		FOREFRONT OF SHOW WINDOW			SHOW WINDOW PACKING TABLE		ELEVATOR	DISPLAY STAND	RECEPTION ROOM	CORRIDOR STAIRS	INDOORS						
HOSPITAL		EYE INSPECTION	OPERATING ROOM EMERGENCY			MEDICAL EXAMINATION ROOM DINNING ROOM			WAITING ROOM	SICK ROOM WAREHOUSE	STAIRS	EMERGENCY STAIRS					
SCHOOL		DRAFTING ROOM LIBRARY			CLASS ROOM		INDOOR GYMNASIUM WASH ROOM AUDITORIUM			EMERGENCY STAIRS							
RESTAURANT		SHOW ROOM			COOKING ROOM DINNING		ENTRANCE WASH ROOM		CORRIDOR STAIRS								
BABER BEAUTY PARLOR		HAIR DYING MAKEUP HAIR DRESSING			SHAVING HAIR WASHING DRESSING												