

DIGITAL LUX METER

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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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 and 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 of LOBAT shows up on the display.
- 8.2 Slide the battery cover (3-6) away from the instrument and remove the battery.
- 8.3 Install the batteries (1x9v) correctly into the case.
- 8.4 If the instrument is not to be used for any extended period, remove the battery.

9. ADEQUATE LIGHT FOR WORK AREA

See the table below.

1. FEATURES

- * Wide measuring range and high resolution.
- * Digital display gives exact reading with no guessing or errors.
- * In built 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: 1x9V battery
 Operating condition: Temp. 0~50°C
 Humidity <80%
 Size: 108×72×23mm
 Light sensor 96x58x16 mm
 Weight: about 175g (including battery)

Accessory:

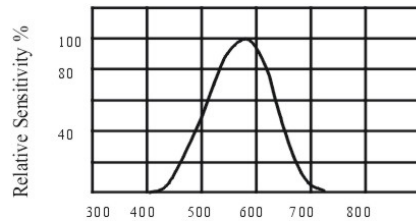
Carrying case.....	1 pc.
Operation manual.....	1 pc.
Sensor.....	1 pc.

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



ADEQUATE LIGHT LEVELS FOR WORK AREA

LUXE LOCATION	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			TYPING DRAFTING	CLERICAL WORK	CONFERENCE ROOM DINNING ROOM RECEPTION ROOM	CORRIDOR STAIRS	ENTRANCE WAREHOUSE	INDOOR EMERGENCY STAIRS								
STORE			FOREFRONT OF SHOW WINDOW	SHOW WINDOW PACKING TABLE	EL ECTRIC AT OR	DISP LAY STAND	RECEP TION ROOM	CORR IDOR STAIR S	INDOORS							
HOSPITAL		EYE INSPECTION		OPERATING ROOM EMERGENCY	MEDICAL EXAMINATION ROOM DINNING ROOM	WAIT ING ROOM	SICK ROOM WASH HOUSE	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									
BARBER BEAUTY PARLOR				HAIR DYEING WAKEUP HAIR DRESSING	SHAVING HAIR WASHING DRESSING											