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.

200305-9626

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"

Parameters measured: LX (LUX)
                     FC (FOOT CANDLE)

Power supply: 4x1.5 AAA battery

Operating condition: Temp. 0~50℃
                     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℃)
0-1,999 Lux	1 Lux	±(5%n+5d)
2,000-19,999 Lux	10 Lux	±(5%n+5d)
20,000-50,000 Lux	100 Lux	±(5%n+5d)
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
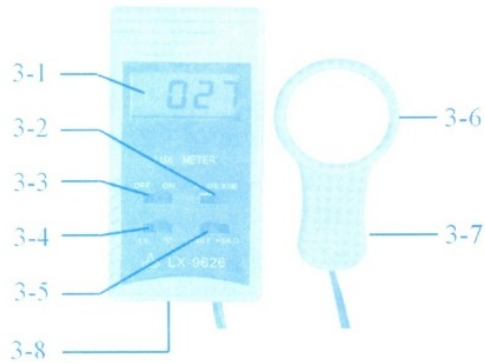
3-1 Display
3-2 Range switch
3-3 Power switch
3-4 Lux/FC switch
3-5 Hold switch
3-6 Light sensor
3-7 Sensor handle
3-8 Battery compartment/Cover

7. MEASURING CONSIDERATIONS

7.1 Select the appropriate light unit LX or FC.

7.2 The measurement value can be held by HOLD switch 3-5.

7.3 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 (3-2) 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 (3-8) away from the unit 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 AREAS

See the table below.

ADEQUATE LIGHT LEVELS FOR WORK AREAS

LUXES / 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 DRAFT-ING	CLERICAL WORK		CONFERENCE ROOM DINNING ROOM RECEPTION ROOM		CORRIDOR STAIRS		ENTR-ANCE WARE-HOUSE		INDOOR EMERGENCY STAIRS			
HOME					SEWING		READING STUDY	MAKE UP	DINNI NG TABLE	RECRE ATION AL ACTIV ITIES	WAS-HING					
STORE			FOREFRONT OF SHOW WINDOW		SHOW WINDOW PACKING TABLE	EL EV AT OR	DISP-LAY STAN D	RECEP TION ROOM	CORR IDOR STAIR S	INDOORS						
HOSPITAL	EYE INSPE-CTION			OPERATING ROOM EMERGENCY		MEDICAL EXAMINATION ROOM DINNING ROOM		WAIT ING ROO M	SICK ROOM WARE HOU-SE	STAIRS	EMERGENCY STAIRS					
SCHOOL				DRAFTING ROOM LIBRARY		CLASS ROOM		INDOOR GYMNAYM WASH ROOM AUDITORIUM			EMERGENCY STAIRS					
RESTAURANT				SHOW ROOM		COOKING ROOM DINNING		ENTRANCE WASH ROOM		CORRIDOR STAIRS						
BABER BEAUTY PARLOR				HAIR DYEING WAKEUP HAIR DRESSING		SHAVING HAIR WASHING DRESSING										