

DIGITAL LUX METER OPERATION MANUAL

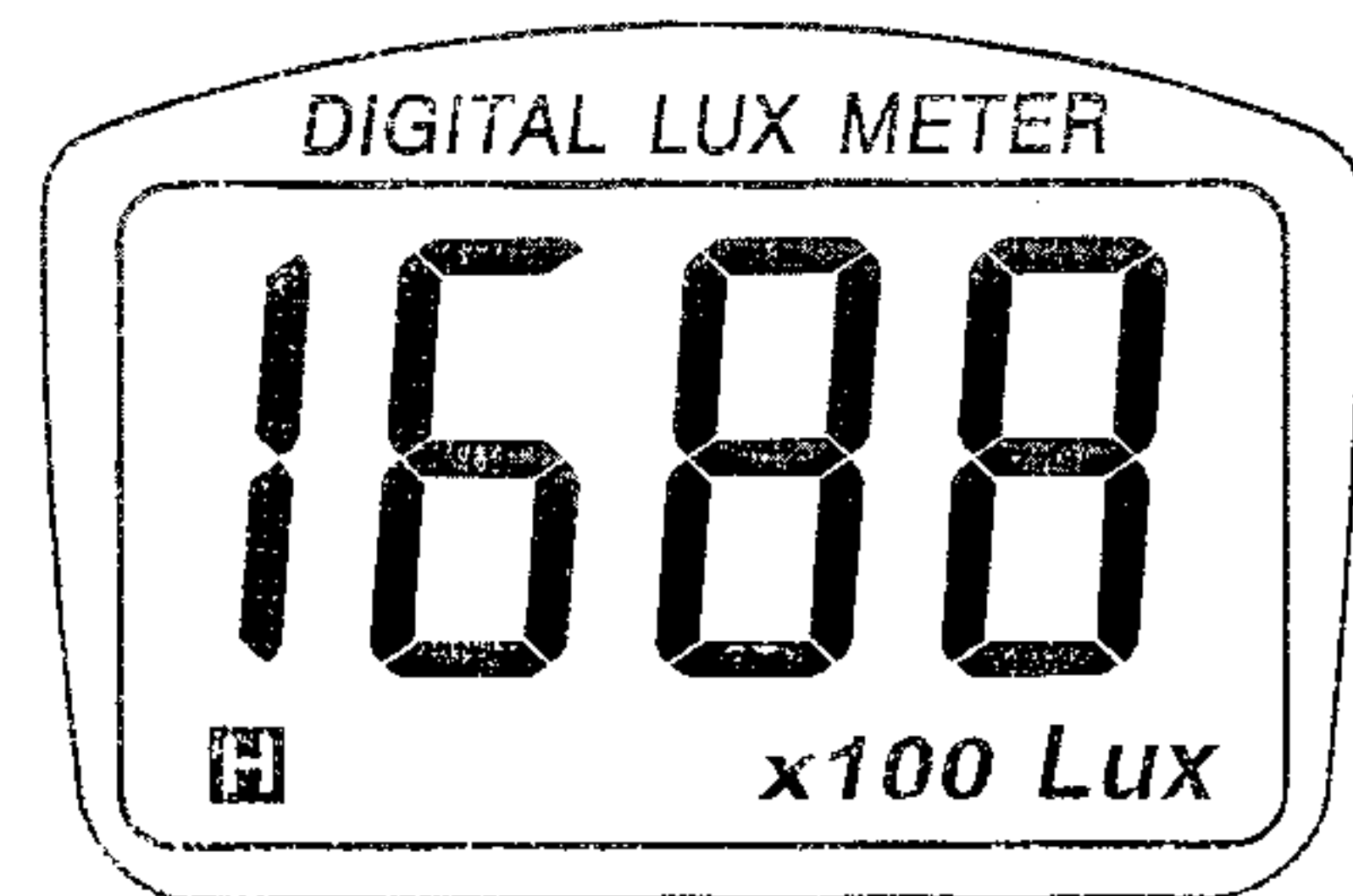


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Your purchase of this DIGITAL LUX METER marks a step forward for you into the field of precision measurements. Although this LUX METER is a complex and delicate instrument, its ruggedness will allow many years of use if proper operating techniques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

1. FEATURES

- * Precise and easy readout.
- * High accuracy in measuring.
- * Auto zero adjustment.
- * In build low battery indicator.
- * Data-hold function for holding measuring values.
- * Permits a wide range of light measurements.
- * LSI-circuit use provides high reliability and durability.
- * 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.

2. GENERAL SPECIFICATIONS

Display	18mm(0.7")LCD
Ranges	0 to 50,000 Lux
Over-input	Indication of "I"
Sampling Time	0.4 second
Operating Temperature	0°C to 40°C (32°F to 104°F)
Operating Humidity	0 to 80% Rh
Dimension	116x70x29mm
Weight	200g

(including battery)

Power Supply 006P DC9V battery(6F22)

Consumption current approx. 2mA.

Standard Accessories:

Carrying case1pc

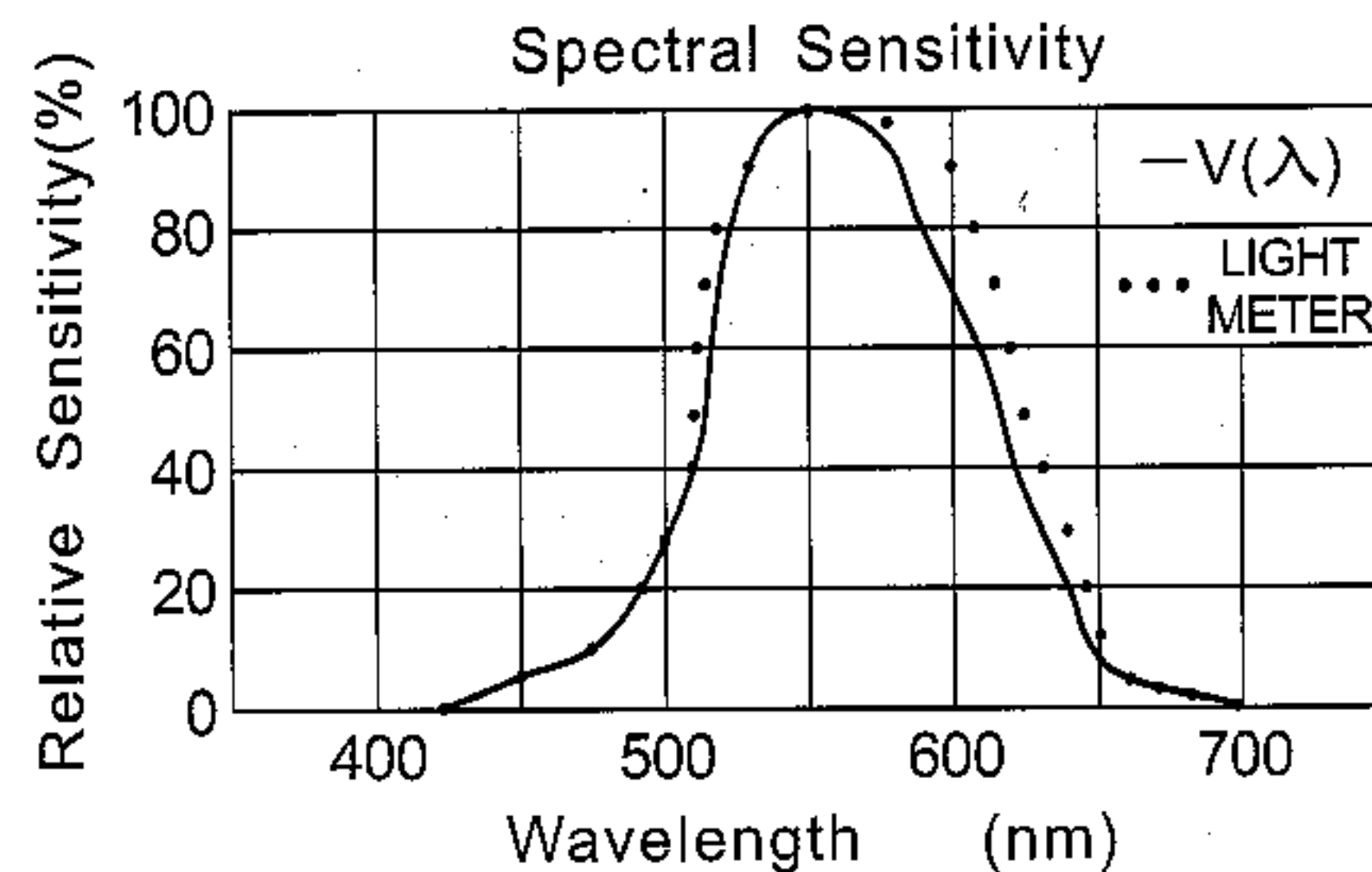
operation manual1pc

3. ELECTRICAL SPECIFICATIONS

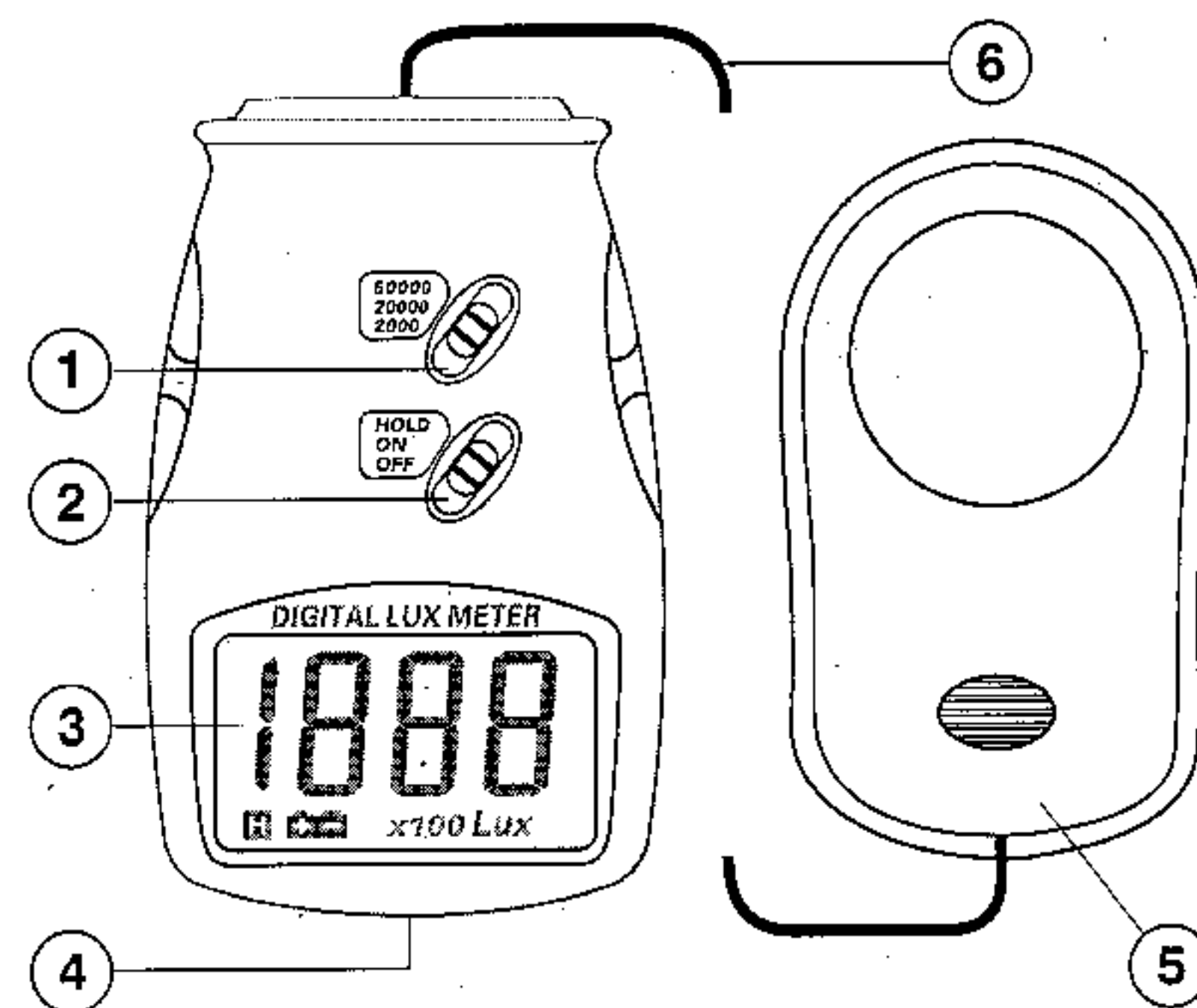
20,000 Lux range reading x10,
50,000 Lux range reading x100.

Range	Resolution	Accuracy (25°C ±3°C)
0 to 1,999Lux	1Lux	±5%+2d
2,000 to 19,999Lux	10Lux	±5%+2d
20,000 to 50,000Lux	100Lux	±5%+2d
Calibrated to standard incandescent lamp at color temperature 2856K.		

4. SPECTRUM FOR LIGHT SENSOR



5. FRONT PANEL DESCRIPTION



1, Range switch

2, Power switch

3, LCD display

4, Battery cover

5, Light sensor

6, Test wire

6. 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	188	019	002

User should select range switch to "x1" range, and the exact reading values is 188 Lux.

7. REPLACEMENT OF BATTERY

- 1) It is necessary to replace battery, when left corner of LCD display show "E3".
- 2) Slide the battery cover.
- 3) Replace the battery (006P DC 9V 6F22).

8. RECOMMENDED ILLUMINATION

LOCATIONS

Lux

OFFICE

Conference, Reception room	200~750
Clerical work	700 ~ 1,500
Typing drafting	1,000 ~ 2,000

SCHOOL

Auditorium, Indoor Gymnasium	100~300
Class room	200~750
Laboratory Library Drafting room	500~1,500

HOSPITAL

Sickroom, Warehouse	100~200
Medical Examination room	300~750
Operating room	750~1,500
Emergency Treatment	750~1,500

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