LIGHT METER
Model : SP-82LX

Your purchase of this LIGHT METER marks a step forward for you into the field of precision measurement. Although this METER is a complex and delicate instrument, its durable structure 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.

OPERATION MANUAL

TABLE OF CONTENTS

1. FEATURES

* Tiny bone shape with lightweight and small size case design are suitable for handling with one hand.
* Wristlet design provides extra protection to the instrument especially for user one hand operation.
* Exclusive photo diode and color correction filter light sensor, spectrum meets C.I.E. photopic.
* Sensor cosine correction factor meet standard.
* Built- in microprocessor circuit assures excellent performance and accuracy.
* Concise and compact buttons arrangement, easy operation.
* Memorize the maximum and minimum value with recall.
* Hold function to freeze the current reading value.

2. SPECIFICATIONS

2-1 General Specifications

Display	8 mm LCD display
Measurement	Light value.
Operating Humidity	Max. 80% RH.
Operating Temperature	0 to 50° C (32 to 122° F)
Over Input Display	Indication of "- - - - "
Power Supply	CR 2032 DC 3V battery
Power Consumption	Approx. DC 5 mA
Weight	160g (battery included)
Dimension	HWD 120 x 45 x 20 mm (4.7 x 1.8 x 1.2 inch).
Standard Accessory	Instruction Manual

2-2 Electrical Specification (23 ± 5℃)

Light * * auto range*

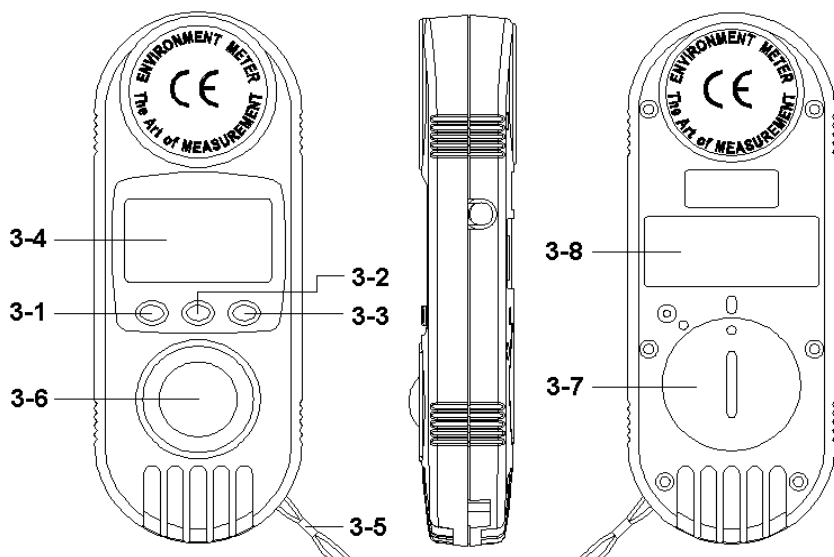| Unit	Range	Resolution	Accuracy
Lux	0 to 2,200 Lux	1 Lux	± 5% rdg ± 8 dgt
	1,800 to 20,000 Lux	10 Lux	
Ft-cd	0 to 204.0 Fc	0.1 Ft-cd	
	170 to 1,860 Fc	1 Ft-cd	

3. FRONT PANEL DESCRIPTION

Fig. 1

3-1 Hold button

3-2 ⏻ Button (Power button)
3-3 REC nutton
3-4 LCD display
3-5 Wristlet
3-6 Light Sensor
3-7 Battery Compartment / Cover
3-8 Button operation label

4. MEASURING PROCEDURE

4-1 Power on/off

⏻ Button = Power Button

1) Power on :
   Press " Power Button " once.

2) Power off :
   During power on, press " Power Button " > 3 seconds.
   will power off.

4-2 LCD backlight on/off
During power on, press " Power Button " once, then the
LCD backlight will be on 5 seconds then off automatically,

4-3 Unit selection
1) During power on, press the " REC button "
   continuously > 3 seconds, the Display will show the text
   " Unit " release the " REC button ", then press " ⏻ button "
   to select the desired unit, after the desired unit
   is sleeted, press the " REC button " to save the unit
   with default.

   REC button = Enter button

   The selction unit are :
   Lux, Ft-cd

4-4 Reverse the Display direction automatically
As intend to match the sensor convineant position, the
Light sensor should put on the top case side to prevent
when hand hold the case may interrupt the senso, the
Display direction will reverse automaticaly.

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4-5 Hold Function

Whenever press the " Hold Button " will freeze the current reading value with a "HOLD" symbol on the display.
To release the Hold function, just press the " Hold button " once again, the " HOLD " indicator will be disappeared.

  * *During execute the " REC function ", the Hold function is disable.*

4-6 REC (Record) function

1) The REC (Record) function can record and display the maximum and minimum reading values. Start the Record function by pressing the " REC Button " once. There will be a " REC " symbol on the display.
2) With the REC symbol on the display :
   (a) Press the " REC button " once and the " Max " symbol along with the maximum value will appear on the display.
   (b) Press the " REC button " again, the " MIN " symbol along with the minimum value will appear on the display.
   (c) To exit the memory record function, press the " REC button " continuously for at least 2 seconds. The display will revert to the current reading.
   (d) Clear the recorded MAX or MIN value by pressing the " Hold button " once. Previous recorded MAX/MIN value will be given up and then revert to the REC. function keep on recording.

4-6 Auto power off disable

In order to prolong the battery life, the instrument has "Auto Power Off " function. The meter will switch off automatically if no buttons are pressed for around 10 minutes.
However if intend disable the " Auto power off " function, just execute the " REC " function (above chapter 4-6), then the Auto power off function will be canceled.

5. BATTERY REPLACEMENT

1) When the LCD display shows " ⊏⨯⊐ " symbol, it is necessary to replace the battery. However measurement may still be made for several hours after the low battery indicator appears.
2) Open the " Battery Compartment / Cover " (3-7, Fig. 1) and remove the battery.
3) Install the battery (CR2032) and then reinstate the cover.

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