DIGITAL LUX METER OPERATION MANUAL

This Lux meter is a precise and delicate instrument with durable structure. It senses brightness/lux of any environment. For safety and better use, please follow instructions carefully and always keep this manual within easy reach.

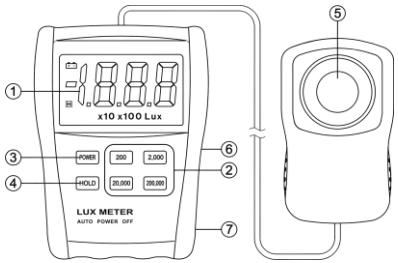
1. FEATURES

1.1 Wide range: from 0.1 Lux to 200,000 Lux.
1.2 Accurate test, fast response, and auto zero-adjustment.
1.3 Data hold: hold the current test result.
1.4 Symbol and unit display, easy to read.
1.5 Low battery indicator and auto power off.

2. SPECIFICATIONS

2.1 Display: 3 ½ digits, big LCD, max display 1999.
2.2 4 ranges: 200 Lux, 2000 Lux, 20,000 Lux, 200,000 Lux.
For 20,000 Lux range, the reading need to times 10, then will be correct.
For 200,000 Lux range, the reading need to times 100, then will be correct.
2.3 Accuracy: ≤10,000 Lux: ±4% rdg ±0.5%f.s
≥10,000 Lux: ±5% rdg ±10.
(Accuracy tested by a standard parallel light tungsten lamp of 2856K temperature)
2.4 Repeatability: ±2%.
2.5 Temperature characteristic: ±0.1%/ ℃.
2.6 Sampling rate: 2 times/s.
2.7 Sensor: photo diode and filter.
2.8 Operation environment: 0℃～40℃（32℉～104℉）0～70%Rh
2.9 Storage environment: -10℃～50℃（14℉～140℉）0～80%Rh
2.10 Overload display: top digit shows "1".
2.11 Battery: 9V, 006P or IEC6F22 or NEDA 1604
2.12 Battery life: continuous 200 hours (alkaline battery)
2.13 Size: 100×60×27mm (sensor)
130×95×30mm (meter)
2.14 Weight：300g
2.15 Accessories: manual, battery, black pouch.

3. PANEL DESCRIPTION



① LCD display: shows "LUX", "H", "", "×10" (reading times 10), "×100" (reading times 100).
② Range button: can choose 200 Lux, 2000 Lux, 20,000 Lux, 200,000 Lux range.
③ POWER button: can turn ON/OFF the meter. The meter will enter dormancy mode if there is no measurement in 20 minutes; Press POWER button to restart.
④ HOLD button: press HOLD button, "H" symbol appears, and the current value will be held; Press HOLD again to exist HOLD mode.
⑤ Light sensor: senses brightness/lux of environment.
⑥ Stand (on the back).
⑦ Battery case (on the back).

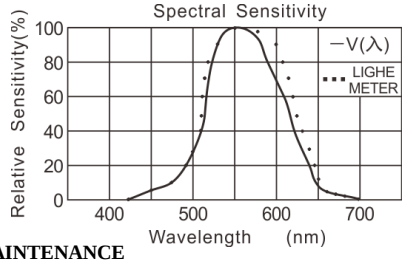
4. MEASUREMENT INSTRUCTION

4.1 Press POWER button to turn on the meter.
4.2 Choose desired range, the default state is 2000 Lux range.
4.3 Open the sensor cover, and horizontally place the sensor under the light source.
4.4 Read the measurement result on the LCD.
4.5 If only display "1" on the top digit, it means overload, a higher range should be selected.
4.6 Press HOLD button, "H" symbol appears, and the current value will be held; Press HOLD again to exist HOLD mode.
4.7 If the measurement is completed, cover the light sensor and press POWER button to turn off the meter.

5. BATTERY REPLACEMENT

5.1 When the LCD shows "" symbol, is necessary to replace the battery.
5.2 Turn off the meter and take off the holster. Loosen the screw on the battery door and slide the cover away from the instrument.
5.3 Replace the old battery with a new 9V battery and reinstate the cover and holster.

6. SPECTRAL SENSITIVITY CHARACTERISTIC:



7. MAINTENANCE

7.1 Do not operate or store the meter in high temperature/humidity environment.
7.2 Keep the white sphere of the light sensor clean when taking measurements.
7.3 The top of the spherical sensor is the accuracy reference level.
7.4 The sensitivity of the light sensor will decrease due to the service conditions as luminous intensity and time. To maintain the basic accuracy, regular calibration is recommended.

8. RECOMMENDED ILLUMINATION:

OFFICE	Conference, reception room	200～750 Lux
	Clerical work	700～1,500 Lux
	Typing drafting	1,000～2,000 Lux
FACTORY	Packing work, entrance passage	150 ～300 Lux
	Visual work at production line	300～750 Lux
	Inspection work	750～1,500 Lux
	Electronic parts assembly line	1,500～3,000 Lux
HOTEL	Public room, cloakroom	100～200 Lux
	Reception, cashier	220～1,000 Lux
STORE	Indoors stairs corridor	150 ～200 Lux
	Show window, packing table	750～1,500 Lux
	Forefront of show window	1,500～3,000 Lux
HOSPITAL	Sickroom, warehouse	100～200Lux
	Medical examination room	300～750Lux
	Operation room, emergency treatment	750 ～1,500Lux
SCHOOL	Auditorium, indoor gymnasium	100～300Lux
	Class room	200～750Lux
	Laboratory, library, drafting room	500～1,500Lux