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## 0130-L110 LIGHT METER (BASIC TYPE) OPERATION MANUAL

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TO WATCH THE  
OPERATION VIDEO  
OF THE PRODUCTS.



## 1. FEATURES

1. Suitable for measuring illuminance in various occasions
2. Data hold function
3. Fast switching of measuring range, easy to operate
4. Zeroize automatically

## 2. GENERAL SPECIFICATIONS

- ◆ Display: 3 -1/2digits LCD display, max display value is 1999.
- ◆ Range selection: 1999Lux、 19990Lux、 100000Lux  
19990Lux range : reading×10  
100000Lux range: reading×100
- ◆ Accuracy: ± (4%+10d), range<10000Lux  
± (5%+10d ), range≥10000Lux  
(disresolution, calibrated with standard incandescent lamp at color temperature 2856K)
- ◆ Repeatability: ±2%
- ◆ Temperature characteristic: ±1.0%/°C
- ◆ Sampling time: 0.5s
- ◆ Minimum resolution: 0.1Lux
- ◆ Environment: 0~40°C Operation (32~104°F), 0~70%RH
- ◆ Storage environment: -10~50°C (14~122°F), 0~80%RH
- ◆ Sensor Photo: one silicon photo diode with filter
- ◆ Over-input: 1999Lux、 19990Lux indication of '1',  
100000Lux indication of 'OVER'
- ◆ Power Supply one 9V battery (model 6F22)
- ◆ Battery life: 200 hours for continuously use
- ◆ Photo detector dimension: 105×58×28mm
- ◆ Main unit dimension: 130×72×30mm
- ◆ Weight: 170g

## 3. PANEL DESCRIPTIONS AND FUNCTIONS

1. LCD display
2. Range select button, 1999Lux、 19990Lux、 100000Lux
3. Power switch button、 Data-hold button
4. Photo detector probe

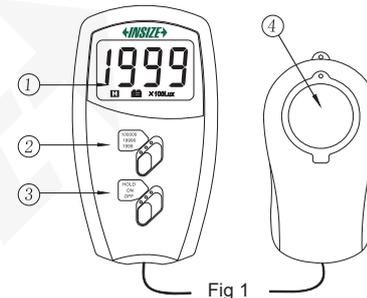


Fig 1

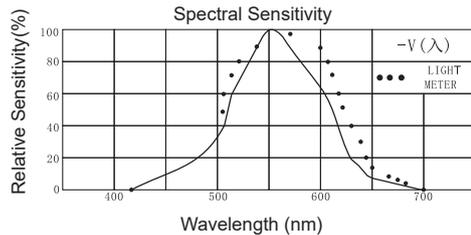
## 4. OPERATION INSTRUCTIONS

1. Insert the battery and turn on the meter.
2. Push the range select button to desired range.
3. Remove the photo detector cap and face it to light source.
4. Read the test value from the LCD display, Pay attention to the selected gear.
5. If the instrument only display '1', it means the range used is over flow and should change to larger range.
6. Data-Hold mode: push selection button to 'HOLD'. During Hold mode, LCD display 'HOLD' and the value is locked on LCD. Push selection button to 'ON', exit Hold mode.
7. After using the instrument, cover photo detector with cap and turn off power.

## 5. BATTERY CHECK-UP & REPLACEMENT

1. When left corner of LCD display show '  ', a battery replace ment is required.
2. After turning off the meter, press the battery cover and push in the direction of the arrow to open. Disconnect the battery from the instrument and replace it with another 9V battery

## 6. SPECTRAL SENSITIVITY CHARACTERISTIC



## 7. MAINTENANCE

1. Do not use or store the instrument in extrem high temperature or humidity environment.
2. Keep photo detector clean during usage.
3. The reference level, as marker on the face plate is the top of photo detector globe.
4. According to operational conditions and time, the sensitivity of meter decreases. In order to maintain the accuracy of the instrument, periodic calibration is recommended.

## 8. RECOMMENDED ILLUMINATION

SCHOOL:

Illumination (Lux)	Locales
1500~300	drawing classroom, sartorial room, PC room
750~200	classroom, laboratory, practical factory, lab, library, stack room, office, retiring room, assembly room, sanitarian room, dining-room, cookroom, broadcasting room, printing room, guardroom, indoor schoolyard
300~150	big classroom, hall, repository, retiring room, stair well
150~75	aisle, lift, washroom, overbridge, outdoor schoolyard
75~30	storage, carbarn, safety passage

HAIR SOLON:

Illumination (Lux)	Locales
1500~750	marcel and hairdressing room , toilet room
750~300	shampoo, registration dais, bathing box
300~150	washroom in the store
150~75	aisle, stairway

HOSPITAL:

Illumination (Lux)	Locales
10000~300	Ophthalmological
1500~750	Ophthalmological
750~300	dispensary, remedial room, drugstore, office, dissecting room pathogen room, deanery, first-aid room, delivery room, nurse room, assembly room
300~150	Sickroom, powder chamber, surgical treatment room
150~75	changeroom, physiotherapy room, x-ray room, sickroom aisle , germfree room, sickroom, stairway
75~30	zoom room, darkroom, mortuary

HOME:

Illumination (Lux)	Locales
2000~1500	handicraft, dressmake
1500~750	do homework
750~300	reading room, toilette, table, phone room, repairing room
300~150	washhouse, playroom , living room
150~75	garderobe, balneary, washroom, stairway, aisle
75~30	mail drop, veranda

FACTORY:

Illumination (Lux)	Locales
3000~300	transnormal exactitude work, design room, drawing room
1500~750	design room, analysis, debugger, packaging
750~300	product line, warehouse office
300~150	dye-works, foundry, electrical room
150~75	inlet and exit, aisle, passage, stairway, toilet room, washroom, inspection office
75~30	safety passage, storage, dynamic equipment outdoor

OFFICE:

Illumination (Lux)	Locales
2000~300	design room, affair room
1500~750	hall passage (daytime), bussiness hall, drawing room, clock on and off
750~300	PC room, assembly room, pressroom, antechamber, playroom, dining-room
300~150	stack room, playroom, refectory, retiring room, gatehouse, lift, washroom
150~75	drinking room, changeroom, storage, night watchman room (entrance)
75~30	safety passage

HOTEL、CABARET、RECREATION GROUND:

Illumination (Lux)	Locales
1500~750	counter
750~300	banquet, affair room, stall, cookroom
300~150	restaurant, washroom, big house which is Japanese style
150~75	playroom, aisle, stairway, guest room, balneary, basiliic lighting in the courtyard, changerroom
75~30	safety passage

SHOP、BAZAAR:

Illumination (Lux)	Locales
3000~300	display in the room, jewelry showcase, the place where demonstrate perform, check-out counter, packing counter
750~300	lift hall, escalator
300~150	chatting room, toilet room, washroom, stair, aisle
150~75	retiring room, normal illumination in the store