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0131-A120 LIGHT METER OPERATION MANUAL

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VIDEO OF PRODUCTS.



I FEATURES

1. Photosensor can rotate 90° clockwise and rotate 180° counterclockwise
2. Build-in calibration filters ensure the accuracy when working in different colors
3. Data hold function
4. Lux/FC unit switch
5. Low battery warning

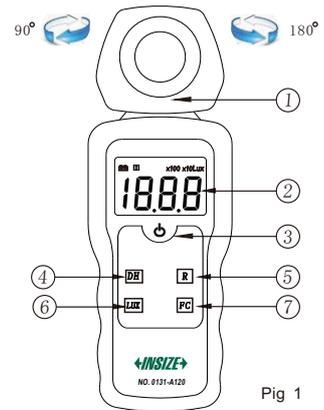
II GENERAL SPECIFICATIONS

- Measuring range: 0.1Lux ~ 200000Lux,
0.01FC ~ 20000FC
- Display: 3-1/2 digits LCD display, max display value is 1999
- Range selection: 200Lux、2000Lux、20000Lux、200000Lux
20FC、200FC、2000FC、20000FC
20000Lux range: reading×10
20000Lux range: reading×100
20000FC range: reading×10 (annotate: 1FC=10.76Lux)
- Accuracy: ± (4%+10d) range<20000Lux/2000FC,
± (5%+10d) range≥20000Lux/2000FC,
(calibrated to standard incandescent lamp at color
temperature 2856K, d is resolution)
- Minimum resolution: 0.1Lux
- V(λ)matchingerror: f'1≤10%
- Repeattesting: ±2%
- Temperature characteristic: ±1%/°C
- Sampling time: 0.5s

- Photo sensor: one silicon photo diode with filter
- Operation environment: 0~40°C (32~104°F), 0~70%RH
- Storage environment: -10~50°C (14~122°F), 0~80%RH
- Over load: indication of "1"
- Power supply: one 9V battery, model 6F22
- Battery life: 200 hours for continuously use
- Dimension: 185×68×38mm
- Weight: 130g

III PANEL DESCRIPTIONS AND FUNCTIONS

1. Photo sensor
2. LCD display
3. Power switch button
4. Data hold button
5. Range select button
6. LUX unit select button
7. FC unit select button



Pig 1

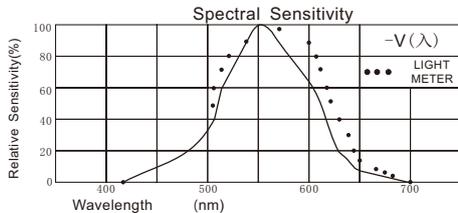
IV OPERATION INSTRUCTIONS

1. Insert the battery and turn on meter
2. Select right range.
3. Remove the photo detector cap and face it to light source. (The detector can rotate 90° clockwise and rotate 180° counterclockwise)
4. Read the test value from the LCD display.
5. If the instrument only display one “1”, it means over load and should change to larger range.
6. Data-Hold mode: press the “DH” key to select Hold model. LCD display “ \square ” and the value is locked. Press the button “DH” again, exit Hold mode.
7. After using the instrument, cover photo detector with cap and turn off power.

V BATTERY CHECK-UP & REPLACEMENT

1. When left corner of LCD display show “ ⎓ ”, a battery replacement is required.
2. Turn off meter, open the battery cover, remove the battery, replace it with another 9V battery and close the cover.

VI SPECTRAL SENSITIVITY CHARACTERISTIC



VII MAINTENANCE

1. Do not use or store the instrument in extreme high temperature or humidity environment.
2. Keep photo detector clean during usage.
3. The reference level of testing mark on the face plate on 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 instrument, periodic calibration is recommended.
5. The probe can't be rotated clockwise for more than 90° and can't be rotated Counter clockwise for more than 180°, otherwise will damage the meter.

VIII RECOMMENDED ILLUMINATION

SHOP、BAZAAR:

Illumination(Lux)	Locales
3000~300	display in the room, jewelry showcase, the place where demonstrate perform, check-outcounter, 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

HAIRSOLON:

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, toilete, table, phone room, repairing room
300~150	washhouse, playroom, living room
150~75	garderobe, balneary, washroom, stairway, aisle
75~30	maildrop, 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	inletand 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, changerroom, 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, basilic lighting in the courtyard, changerroom
75~30	safety passage

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