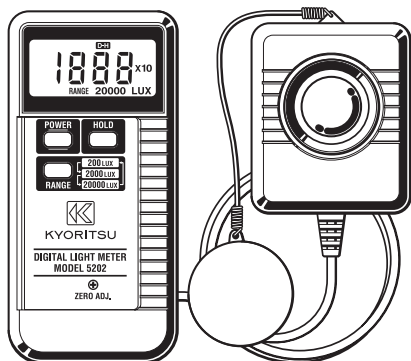


INSTRUCTION MANUAL



DIGITAL LIGHT METER MODEL 5202

KYORITSU ELECTRICAL INSTRUMENTS
WORKS, LTD

I .FEATURES:

- Data Hold Function.
- Light sensor and display main unit is separated.
- Offset Adjustment.
- High Illuminate Measurement.
- Large LCD Display and Distinct Digital Data Reading.

II .SPECIFICATION:

- Light sensor: Silicon Photo Diode
- Display: 3 1/2 digits LCD readings with maximum value 1999. Low Battery Indication. Over range display: "OL"
- Measurement Range Scale: 0.1~19990 Lux.
- Measuring Range Selection: 200/2000/20000 Lux.
- Reading data accuracy(23°C ± 5°C):

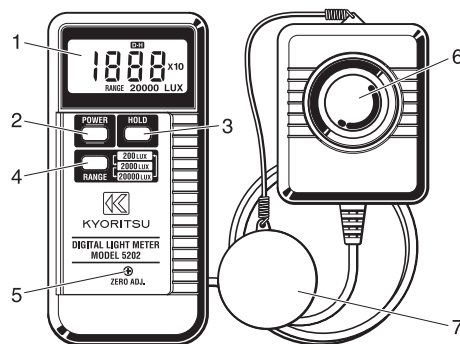
| Range | Accuracy |
|-------|-----------------|
| 200 | ±(4%rdg ± 5dgt) |
| 2000 | ±(4%rdg ± 5dgt) |
| 20000 | ±(5%rdg ± 4dgt) |

- Power Consumption: Approx. 2mA
- Response Speed: 2.5 times/sec.

- Angular Incident Light Characteristic :
30° within ±3%
60° within ±10%
90° within ±30%
- Operation temperature / humidity:
0°C~50°C / below 80% R.H.(No Condensation)
- Storage temperature / humidity:
-10°C~60°C / below 70% R.H. (No Condensation)
- Power supply:
Battery 9V NEDA 1604, IEC 6F22, JIS 006P
- Dimension:
Meter: 148mm × 71mm × 36mm
Light receiver: 85mm × 67mm × 32mm
- Weight:
Meter & Light receiver Approx. 270g (including battery)
- Package Content:
Meter -----1
Light receiver -----1
9V Battery -----1
Instruction Manual -----1
Leather Gift Box -----1
- Applicable standards:
IEC 61326-1(EMC)

III.FRONT PANEL DISCRPTION:

- 1.Display
- 2.Power On / Off Switch
- 3.Data Hold Switch
- 4.Range Switch
- 5.Offset Adjustment
- 6.Light sensor
- 7.Light sensor Cover



IV.OPERATION INSTRUCTIONS:

4.1 Power-On

Press "Power" switch to turn the light meter On or Off.

4.2 Selecting The Appropriate Range

Press "RANGE" switch to select 200,2000,20000 Lux.

4.3 Offset Adjustment

To obtain the accurate data, please adjust "ZERO ADJ." with a screwdriver to enable LCD to indicate 000 if zero cannot be shown on the screen.

4.4 Light receiver Operation

Remove the cover of the Light sensor. Hold the Light sensor to apply the spot where the testing of source of light is to be conducted. The meter will then conduct auto testing.

Read the testing value after the reading indicated value becomes stable.

(*Note: To elevate the accuracy of data please try to hold the Light sensor to face the measuring light source vertically).

4.5 Data-Hold Operation

The user may hold the present reading and keep it on the LCD display by pressing the "HOLD" button.

When the stored data is no longer needed, one may release the data-hold function by pressing "HOLD" button again.

4.6 Attention

● Light sensor


*When the meter is not in use, please always keep the cover of the Light sensor in its place to avoid the damage from wearing out.

*Do not touch the Light sensor (opal part) with the bare hands.

*To clean the Light sensor only with the dry flannel fabric or the equivalent material.

Any kind of detergent that may hurt the Light sensor is absolutely forbidden.

● Low Battery Condition

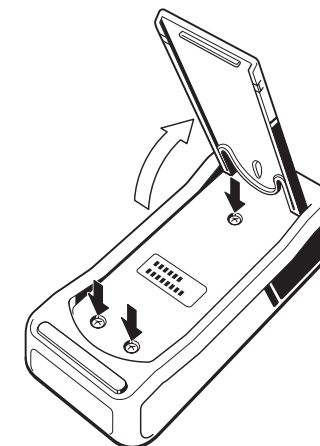
*When the battery voltage is under proper operation requirement, the  symbol will appear on the LCD and the battery need to be replaced with a new one for an accurate data measurement.

*Battery replacement:

1.Lift the bracket at the bottom.

2.Unscrew the 3 screws with the screwdriver for replacing a new battery.

*When it is not in use for a long time, please remove the batteries from the meter.



● Overload Condition

*When "OL" mark is displayed on the LCD, it means scale over and the user should select a proper measuring range for testing.

*This meter is not suitable for measuring the light (such as sunshine) when "OL" mark is displayed on the LCD under when the maximum range 20000 Lux is selected.

*Please avoid to use the meter for measurement under the environmental circumstance of high temperature or moisture.



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Factory: Ehime, Japan

ADEQUATE LIGHT LEVELS FOR YOUR WORKING OR AT YOUR WORK AREAS.

(JIS Z9110-2010)

| LUXES (lx) | 3,000 | 2,000 | 1,500 | 1,000 | 750 | 500 | 300 | 200 | 150 | 100 | 75 | 50 | 30 | 20 | 15 | 10 | 7 |
|-----------------------------|-------|-------|---|---|---|--|---|---|---|---------------------------|---------------------------------------|---|----------------------------|---|----|----|---|
| OFFICE | | | | Entrance hall (day-time) Director room | | Inquiry office, Dining room Night-duty room | | Stair | | — | | Indoor emergency staircase | | | | | |
| | | | | Council room Electronic computer room Reception room Guard station | | Library, Tearoom Dressing room Toilet, lavatory | | Warehouse, Lift, Passage | | | | | | | | | |
| FACTORY | — | | Extra fine visual work | | Design room Drawing room | | — | | Control room, Electric room Air conditioning machine room, lavatory, Toilet | | Entrance Passage Path Warehouse | | Indoor emergency staircase | | | | |
| | | | | | Drawing room | | Classroom, Faculty room, Dining room, Gymnasium Night-duty room | | Stair | | | | | | | | |
| SCHOOL | | | | | | Clothing classroom, Electronic computer room Experimental laboratory Reading room Healthcare room | | Auditorium, Assembly room Locker room lavatory, Toilet | | Passage | | | | | | | |
| | | | | Operating room Emergency room | | Nurse station Pharmacist office Pharmacist's office General examination room Physiological examination room, Radioisotope room Funeral chapel | | Nursery room Waiting room Visiting room Passage for outpatients Changing room, lavatory Hospital charts room Toilet | | Ward | | Emergency staircase | | | | | |
| HOSPITAL | | | | | | X-ray room Physiotherapy room, Exercise machine room Night-duty room Endoscopy room, X-ray fluoroscopy room | | — | | Ophthalmic dark room | | | | | | | |
| | — | | Most important part of display | | Lift lobby, Escalator | | Reception room lavatory, Toilet | | Passage, Resting room | | | | | | | | |
| STORE | | | | Important part of display, Register, Packaging stand | | Negotiation room | | Stair | | | | | | | | | |
| | | | | Sample case | | Register | | Stair | | | | | | | | | |
| RESTAURANT | | | | Cookroom Dining table Counter | | Waiting room Guest room lavatory, Toilet | | Porch, Passage | | | | | | | | | |
| | | | | Ticket office | | Spectator seats, Lobby Electric room Mechanical room lavatory, Toilet | | Entrance Resting room Projection room Passage | | | | Monitoring room (during performance) | | Projection room (during performance) | | — | |
| THEATRE CONCERT HALL | | | | Stall, Green room Monitoring room | | Stair Theatre basement work | | | | | | | | | | | |
| | | | | Front desk Counter, Office | | Carriage porch Dining room | | Stair | | Important parts of garden | | | | | | | |
| INN, HOTEL | | | | Cuisine Guest room desk | | Banqueting hall, Salle Lobby, lavatory, Toilet | | Game room, Guest room, Entrance, Passage, Bathroom | | | | | | | | | |
| | — | | Hair dressing, Hair dyeing Hair set, Make-up | | Hair cut, Shaving Dressing Shampooing, Register | | — | | Stair | | | | | | | | |
| BEAUTY SALON BARBAR SHOP | | | | | | Toilet inside the shop | | Passage | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |