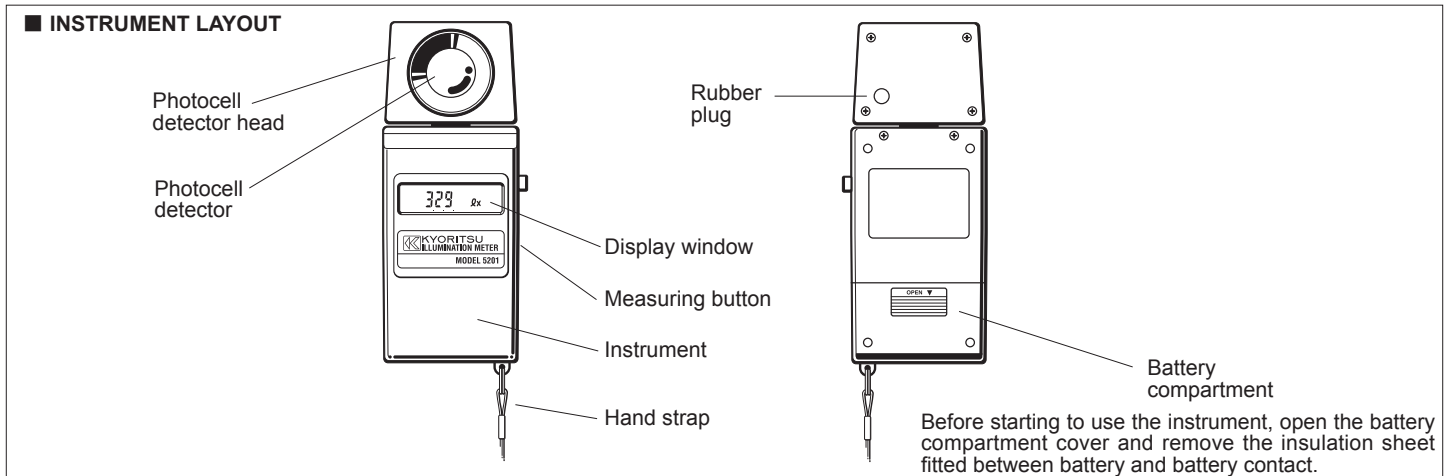


# DIGITAL ILLUMINATION METER MODEL 5201

Congratulations on your choice of the KYORITSU Digital Illumination Meter Model 5201, a portable and compact photocell illuminance meter for measuring from 0.1 to 19,990 Lux with auto range switching. Please read the instructions manual completely before you touch the instrument so that you will be able to use it with greater efficiency over a longer period of time.



**■ ACCESSORIES**

The Model 5201 Digital Illumination Meter includes:-

- |                              |       |
|------------------------------|-------|
| (1) Photocell cover          | 1each |
| (2) 9 volt dry battery(006P) | 1each |
| (3) Soft carrying case       | 1each |
| (4) Instruction sheet        | 1each |

**■ SPECIFICATIONS**

Measurement range	0.1 to 19.990 lux
Range settings	Automatic 3 range switching
Accuracy	±5% of reading and ± 1 digit
Measuring time	3 times per second
Temperature-humidity characteristics	±3% (at 20°C)
Spectral response characteristics	Closely related to the spectral luminous efficiency (of a standard observer).
Angular incident light characteristics	Closely related to the Lambert's cosine law.
Power source	6F22 battery or equivalent, or DC external power source.
Operating conditions Temperature range Humidity range	5°C to 35°C 45% to 85%
Dimension	68×166×32mm
Weight	180 grams (including battery)

**■ FEATURES**

The range setting is switched automatically so that you do not require any switching. The reading on LCD is held for a preset time (about 20 seconds) so that you can read the measurement value easily, Auto Power-Off system is incorporated in the instrument (for automatically switching off the battery) for a longer battery life. (If the instrument is used intermittently for about one or two hours per day, it should be possible to use a fresh battery for about 1000 hours.)

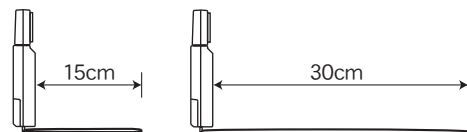
**■ WARNING**

- When the measuring button is depressed, "... " should be displayed. This will be an indication that the battery is getting weak and should be replaced. Use a 9 volt battery and be sure to replace battery with correct polarities.
- A "- - -" display will appear when the range is switched. However, if the display should continue to appear for more than 3 seconds, this will indicate overranging and measurement are not possible.
- Always remember to put the rubber plug back correctly after zero adjustments.
- Do not expose the photocell detector to excessive illumination when it is not being used, as this will lead to deterioration of the meter sensitivity. Always remember to cover the photocell detector when the instrument is stored.
- Keep the photocell detector clean because light transmission will be obstructed and will be reading errors. Always wipe the surface clean with a soft and dry cloth, when the detector is covered with dust and/or dirt.
- Protect the instrument from impact and vibrations as the instrument could be damaged.
- Do not wipe the plastic instrument body with any chemical solution such as acetone, ketone, thinner, etc., and do not expose the instrument to temperature of more than 60°C
- The instrument should be calibrated once a year or so for the accurate measurement.

- Do not open the instrument for repair and calibration exceeding described in this manual or KYORITSU will not accept the instrument under the warranty. Please contact the KYORITSU distributor for instructions when the instrument seems not be working correctly or when calibration is required.
  - When storing the instrument in the carrying case, put in the manner illustrated with the measuring button located on the cover side so that it will be positioned between the pads on the inside of the cover. Otherwise, the button could become depressed (i.e., switched ON), which the battery would be exhausted.
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**■ OPERATIONS**

- Take the instrument out of the soft carrying case.
- Put the photocell detector cover by hand completely so that no light can reach to the detector. Depress the measuring button for about two seconds. Check whether the digital display is "00.0" and make sure that an indication of low battery power "... " is not displayed.
- Take of the photocell detector cover and place the photocell detector to the surface being measured to receive the incident light. Then press the measuring button for about 2 seconds.
- When the digital display is stabilized, release the measuring button. Reading of the measurement on the display should be held or about 20 seconds for your easy reading and writing memo. The power will be automatically off after 20 seconds.
- The measuring button has to be depressed while the previous reading is being held, a new digital display will appear for the illuminance of the incident light at the time.
- The hand strap on the instrument can be used for setting the measuring distance. Unhooking one end of the strap and extending it will work as scale for 30 centimeters. If the strap is used without unhooking it, the strap can be utilized as a scale for 15 centimeters.



**■ CAUTION**

If the digital display does not become "00.0" in (2) above, zero adjustment will be required. Detach the rubber plug on the rear surface of the instrument. While depressing the measuring button, turn the adjustment knob by using a screwdriver so that the display indicates "00.0". Put the rubber plug back after adjustments are finished.



**KYORITSU ELECTRICAL INSTRUMENTS WORKS, LTD.**

2-5-20, Nakane, Meguro-ku,  
Tokyo, 152-0031 Japan  
Phone: +81-3-3723-0131  
Fax: +81-3-3723-0152  
Factory: Ehime, Japan

[www.kew-ltd.co.jp](http://www.kew-ltd.co.jp)

