

### Maintained Illuminance Guide

These lux levels are recommendations made by CIBSE and should only be used as a guide

Sector	Maintained illuminance lux	Sector	Maintained illuminance lux
<b>Nursing homes</b>		<b>Education</b>	
Entrance lobbies	200lux	Classrooms,tutorial rooms	300lux
Lounges (communal)	100-300lux	Lecture hall	500lux
Kitchens	150-300lux	Technical drawing rooms	750lux
Bathrooms	150lux	Practical rooms and laboratories	500lux
Toilets	100lux	Computer practice rooms	300lux
Corridors	20-100lux	Entrance halls	200lux
Staircases	100lux	Circulation areas & corridors	100lux
Quiet/rest rooms	100lux	Stairs	150lux
Dining rooms	150lux	Sports halls, gymnasiums & swimming pools	300 lux
Stores	100lux	School canteens	200lux
<b>Offices</b>		<b>Hospitals</b>	
Filing, Copying, etc...	300lux	Waiting rooms	200lux
Writing, typing reading, data processing	500lux	Corridors: during the day	200lux
Technical drawing	750lux	Corridors: during the night	50lux
CAD work stations	500lux	Day rooms	200lux
Conference and meeting rooms	500lux	Staff office	500lux
Reception desk	300lux	Staff rooms	300lux
Archives	200lux	Autopsy room	5000lux
<b>Public houses</b>		Simple examination room	300lux
Cashier desk	300lux	Operating theatre	1000lux
Kitchen	500lux	Bathroom & toilets for patients	200lux
<b>Retail</b>		<b>Hotels andLeisure</b>	
Sales area	300lux	Reception & Porters desk	300lux
Till area	500lux	Kitchen	500lux
Wrapper table	500 lux	Self-service restaurant	200lux
Dressing rooms	300 lux	Buffet	300lux
<b>Car parks</b>		Conferencerooms	500lux
Parking bays (multi-story/underground)	75lux	Corridors	100lux
Access lanes (multi-story/underground)	75lux	Bathroom (hotel suite)	150 lux
Ramps (multi-story/underground)	150lux	Toilets (hotel suite)	100 lux
Corners (multi-story/underground)	150lux	Foyers	200lux
Intersections (multi-story/underground)	150lux	<b>Justice and Custodial</b>	
Multi-story roof level	30lux	Main entrances	200lux
Entrance/exit zones (multi-story/underground) Day300lux/Night	75lux	Corridors	100lux
Pedestrian areas (multi-story/underground)	100lux	Staircases	150lux
Stairs (multi-story/underground)	100lux	Lounges	150lux
Lifts (multi-story/underground)	100lux	Dining rooms	150lux
Rural zones E1 and E2 (outdoor)	15lux	Launderies	300lux
Urban zones E3 and E4 (outdoor)	30lux	Stores	100lux
		Staff office	500lux
		Staff room	300lux

## INSTALLATION & MAINTENANCE MANUAL TE5



DIGITAL LUX METER

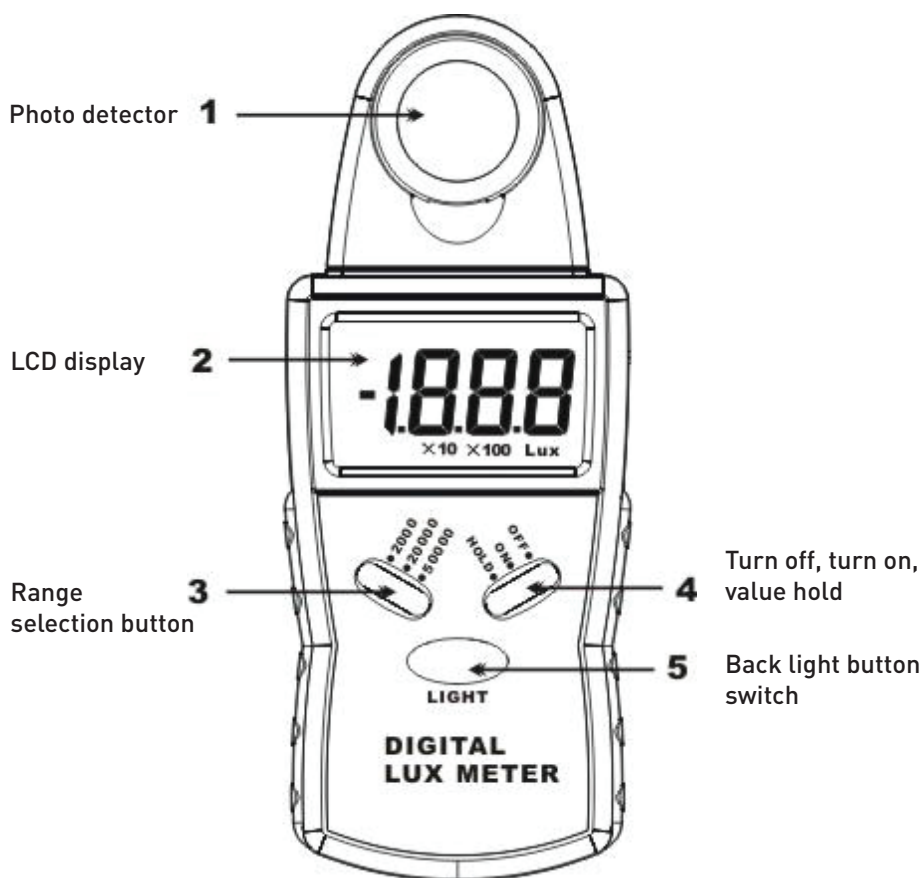
## GENERAL INSTRUCTIONS:

These instructions should be read carefully and retained after installation for further reference and maintenance.

## FEATURES:

- Precise and easy readout
- High accuracy in measuring
- LSI-circuit use provides high reliability and durability
- Permits a wide range of light measurements
- LOW BATTERY indicator
- Automatic zero adjust
- LCD display provides low power consumption and clearly readout
- Remote LIGHT SENSOR

### Panel descriptions



## GENERAL SPECIFICATIONS:

Display: 3 1/2 digits LCD display, maximum reading value display 1999

Ranges: 1-50,000

lux. Resolution: 1lux

Accuracy:  $\leq 10,000\text{lux}$ :  $\pm 4\% \text{rdg} \pm 0.5\text{f.s}$

$\geq 10,000\text{lux}$ :  $\pm 5\% + 10\text{digits}$

(Calibrated to standard incandescent lamp at color temperature 2856K)

Test rate: 0.4 sec

Photo detector: one silicon photo diode with filter

Operation temperature-humidity:  $-0^{\circ}\text{C}$  to  $40^{\circ}\text{C}$  ( $32^{\circ}\text{F}$ - $104^{\circ}\text{F}$ )

Storage temperature-humidity:  $-10^{\circ}\text{C}$  to  $50^{\circ}\text{C}$  ( $14^{\circ}\text{F}$ - $122^{\circ}\text{F}$ )

0 ~ 80%Rh over-input:

indication of "1" (2,000lux/20,000lux) Indication of "OVER" (50,000lux) Dimension: 165×67×32mm

Weight: approx. 155 g (including battery)

Power supply one alkaline PP9 9V battery (not supplied)

Consumption current approx. 2mA

## OPERATION INSTRUCTIONS:

1. Connect the battery, and then press the button to "ON"
2. Press the range selection switch to desired range
3. Remove the photo detector cap and face it to light source in a horizontal position
4. Read the test value from the LCD display
5. Over range: if the instrument only display one "1" in the M.S.D., the input signal is too strong, and a higher range should be selected
6. Data Hold model. press HOLD to select  
When HOLD mode is selected, the LUX meter stops all further measurements and the test value with hold on the LCD. Press the button "HOLD" to the "ON" position and the hold value will be cancelled
7. When the measurement is completed, replace the photo detector cap and turn the power selector to OFF

## BATTERY CHECK UP & REPLACEMENT:

1. When left corner of LCD display show
2. After turning off the meter, press the battery cover and push in the direction of the arrow to replace it with a alkaline PP9 9-volt battery and replace the cover

## MAINTENANCE:

1. The white plastic disc on the top of the detector should be cleaned with a damp cloth when necessary
2. Do not store the instrument where temperature or humidity is excessively high
3. The calibration interval for the photo detector will vary according to operational conditions, but generally the sensitivity decreases in direct proportion to the product of luminous intensity by the operational time. In order to maintain the basic accuracy of the instrument, periodic calibration is recommended