BENETECH®

Model: GT1011

Digital Lux Meter

Instruction Manual



A.Product Introduction

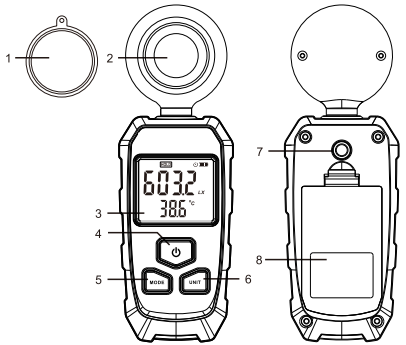
The lux meter is a professional instrument for measuring light intensity and brightness, used in light intensity measurement projects, quality control, health prevention, and measuring light levels in various environments, such as factories, schools, offices, traffic routes, homes, and other settings.

B.Product Features

1. Measures current environmental illuminance and temperature.
2. Measures maximum and minimum illuminance values.
3. Switches between illuminance and temperature units.
4. Illuminance range from 0 to 200,000 lux, with automatic range switching.
5. Automatic/Manual shutdown.
6. LCD backlight.
7. Data hold function.

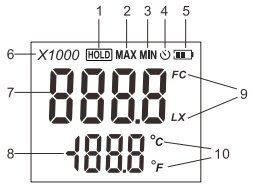
C.Names of components

1. Light shielding cover
2. Photometric head (light-sensitive head)
3. LCD display
4. Power switch/Backlight button
5. Mode switch button
6. Unit switch button
7. Tripod mount hole
8. Battery compartment



D.LCD Display

1. Data hold indicator
2. Maximum illuminance indicator
3. Minimum illuminance indicator
4. Auto-shutdown indicator
5. Battery level indicator
6. Multiplication indicator
7. Illuminance value
8. Temperature value
9. Illuminance unit
10. Temperature unit



E.Operating Instructions

1. Power On/Off
In the off state, press the power button briefly to turn on the device. It will automatically shut down after 10 minutes of inactivity. To turn it off manually, hold the power button ; After powering on, hold the MODE button to enable/disable automatic shutdown. The display will show [⏲] when auto-shutdown is enabled.

2. LCD Backlight
After turning on the device, press the power button briefly to turn the backlight on/off.

3. Data Hold/Max/Min Value
After powering on, press the MODE button briefly to toggle through HOLD/MAX/MIN/real-time measurement modes.

4. Unit Switch
Press the UNIT button briefly to switch between illuminance units: foot-candle [FC] and lux [Lx].
Hold the UNIT button to switch between temperature units: Celsius [℃] and Fahrenheit [℉].

F.Technical Specifications

Photometric head main components	Photodiode + cosine corrector + correction filter
Temperature probe	NTC thermistor
Illuminance range	Total range: 0~200,000 Lux, divided into three gears. ×1gear：0~999.9 Lux ×10gear：1000~9999 Lux ×100gear：10000~200000 Lux
Temperature range	-9.9~49.9℃(14.18~121.82℉)
Illuminance accuracy	For values less than 10000 lux: ±3% of reading For values greater than 10000 lux: ±4% of reading
Temperature accuracy	±2.0℃(±3.6℉)
Operating temperature	0~40℃(32~104℉)
Operating humidity	10~90%RH
Storage temperature	-10~50℃(14~122℉)
Storage humidity	10~90%RH
LCD screen update rate	2 times per second
Power supply	3*1.5V AAA batteries

G.Precautions

1. When the LCD displays [▭], it indicates low battery power, and the battery needs to be replaced.
2. If not used for an extended period, remove the battery to prevent leakage of electrolyte and damage to the instrument.

Special Statement:
Our company is not responsible for any derivative consequences arising from the use of this product.
Our company reserves the right to modify the product design and manual contents without prior notice!

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