



*Nothing else measures up!*

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## Pocket Light Meter



## Operating Instructions

**MINI COLOUR LCD LIGHT METER  
MT-912  
USER MANUAL**

**Important Safety Notice**

Read the following safety information carefully before attempting to operate or service the meter. Use the meter only as specified in this manual; otherwise, the protection provided by the meter may be impaired.

Environmental Operating Conditions	
Humidity:	≤ 90% RH (Non-condensation)
Operating temperature:	-20 to 60°C / -4 to 140°F
Maintenance	
Repairs or servicing not covered in this manual should only be performed by qualified personnel.	
Wipe the unit with a dry soft cloth. Do not use abrasives or solvents on this instrument.	

**Application**

This Light Meter is designed to meet the measurement requirements of safety Engineers, Health & Safety practices and Sound Quality Control in environments such as factories, schools, construction, etc.

**Features**

- High accuracy, fast response
- Color LCD display with backlight
- Temperature measurement
- Min / Max Memory
- Data Hold
- Automatically revise parameters for nonstandard illumination
- Selectable measurement units LUX/FC
- Enable / Disable auto power off
- Low battery indication

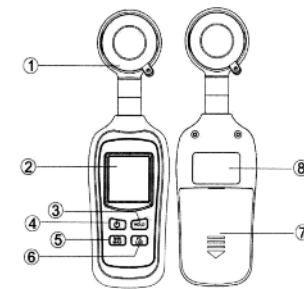
**Specification**

Display	4 digits color LCD display
Measuring range	0 Lux to 200K Lux, 0Fc to 20K Fc
Resolution	<1000 : 0.1 ; >1000:1
Spectral response	CIE photopic (CIE human eye response curve)
Over range indication	LCD displays "-OL-" or "-LO-"
Spectral accuracy	CIE Vλfunction(f1'≤6%, f2'≤ 2%)
Accuracy	±3% rdg±8 d (<10,000Lux), ±4% rdg±10d (>10,000Lux)
Sampling rate	500ms
Photo detector	Silicon photo-diode with spectral response filter
Battery life	at least 60 hours
Enable/Disable	The meter shuts off automatically after 15 minutes of inactivity.
Auto power off	Auto power off can be disabled
Operating conditions	Temperature:-20 to 60°C, -4 to 140°F Humidity: 10% to 90% RH
Storage conditions	Temperature:-20 to 60°C, -4 to 140°F Humidity: 10% to 75% RH
Power supply	3 x 1.5V "AAA" batteries
Dimension(L*W*H)	174.5 x 56 x 30.5mm
Weight	84g

**CE** This unit complies with EMC

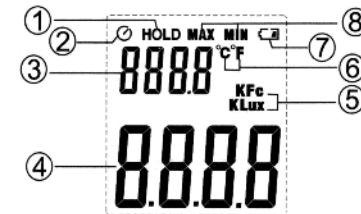
**Meter Description**

1. Photo detector
2. LCD display
3. Hold button
4. Power ON/OFF button
5. MAX/MIN button
6. Fc/Lux button
7. Battery compartment
8. Nameplate



**LCD Display Description**

1. Hold icon
2. Auto power off icon
3. Temperature readings
4. Light readings
5. Illuminance units icon
6. Temperature unit icon
7. Low battery indication
8. MAX/MIN icon



**Accessories:**

1. User Manual
2. 3 x 1.5V AAA Battery

**Operation Instructions**

<b>Power on/off:</b>	Press "⏻" to power the meter on/off.
<b>Data Hold:</b> 	Whilst in measurement mode, press "MAX/MIN", the LCD display will clearly display "HOLD" which indicates the data is frozen, to release the held reading. Press the "MAX/MIN" button again the release the reading.
<b>MAX/MIN:</b> 	Whilst in measurement mode, press "MAX/MIN", to cycle through the maximum or minimum recorded light levels. The LCD display will clearly display "MAX", or "MIN" to indicate the displayed value. Press and hold "MAX/MIN" to exit MIN/MAX mode and return to normal measurement mode.
<b>Lux / Fc:</b> 	With the meter turned on, press "FC/LUX" to toggle between measurement units, Lux and Foot-candles.
<b>°C / °F Mode:</b> 	Whilst the meter is turned off, press and hold "MAX/MIN" and press "⏻". The unit will power on with the temperature unit (°C/°F) toggled.
<b>Auto Power Off</b> 	Whilst the meter is turned off, press and hold "FC/LUX" and press "⏻". The unit will turn on with the auto power off feature toggled off. <b>Note:</b> If the  icon is displayed, the auto power off feature is enabled.

**Additional Notes**

- 1) Recommended recalibration cycle: 1 year.
- 2) Remove the battery when the meter is to be stored for long periods of time to avoid battery leakage.
- 3) When the battery is low, the low battery indicator will appear. A new battery is needed.
- 4) Do not store or operate the meter in high temperature or humidity.
- 5) Wind blowing across the microphone increases the noise measurement. Use the supplied windscreens to cover the microphone when appliance.
- 6) Keep the microphone dry and avoid severe vibration.