CENTER® 532
UV LIGHT METER

Instruction Manual

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Specifications

Measuring range:	Low range: 1 to 3999 uw/cm2 High range: 0.01 to 39.99 mw/cm2
Sensitivity Wavelength Region (nm):	260 nm ~ 395 nm
Wavelength for Calibration (nm):	365 nm
Accuracy:	±3% rdg ±5 dgts
Temperature characteristics:	±0.1% / °C(away from 25°C)
Response time:	0.5 sec
Light detector:	UV Photodiode
Over range:	"-OL-" display
Power supply:	1.5V type AA battery x2
Power life:	Approx. 80 hours
Operation temperature:	0°C ~ 40°C(32°F ~ 104°F)
Operation humidity:	0~80% RH
Storage Temperature:	-10 to 50°C (14 to 122°F)
Storage Humidity:	0 to 70% RH
Dimension / Weight:	169(L)×63(W)×37(H)mm (6.7"×2.5"×1.5")
Weight:	Approx. 210g
Accessories:	Battery, instruction manual, carrying case.

Safety Information

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.

Environment Conditions:

• Altitude up to 2000 meters
• Relatively humidity 70% max.
• Operation Ambient 0 ~ 40°C

Explanation of Symbols:

CE   Comply with EMC.
         When servicing, use only specified replacement parts.

Introduction

Thank you for using our UV Light Meter. To ensure that you can get the most from it, we recommend that you read and follow the manual carefully before use. The UV Meter has been designed, manufactured, and delivered under strict quality control criteria. This meter has the following characteristic.

- Easy to use
- Auto power off function
- Measuring range fully covering UVA & UVB
- MAX/MIN function build in
- Large backlight LCD display

Precautions on handling

Operating carefully, and do not drop the meter or hit it with a hard object. Avoid using the meter in a dirty, dusty, or salt-air area or where there are corrosive gases. If dirt or dust adhered to the surface of the light detecting surface, this will decrease the accuracy of the measuring value. To clean the surface, use soft and dry cloth to wipe it clean.
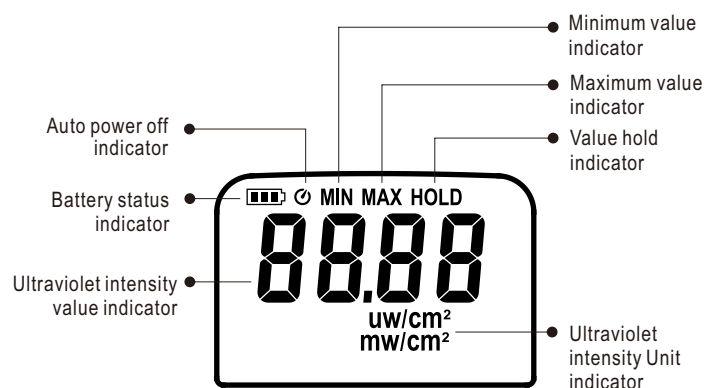
Maintenance

Attention!
Repairs or servicing not covered in this manual should only be performed by qualified personal.

Cleaning
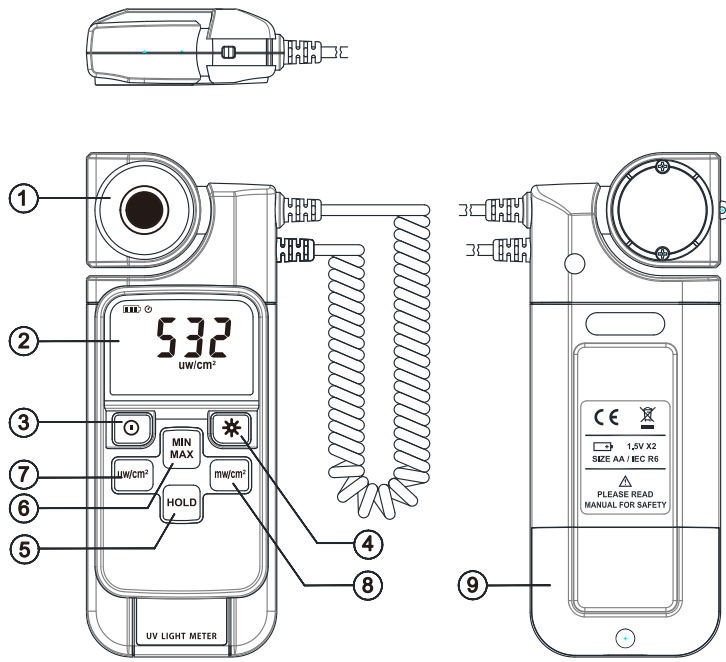Periodically wipe the case with a dry cloth. Do not use abrasives or solvents on this instrument.

Symbol Definition & Button Location

1. LCD Display:

Auto power off indicator
Battery status indicator
Ultraviolet intensity value indicator
Minimum value indicator
Maximum value indicator
Value hold indicator
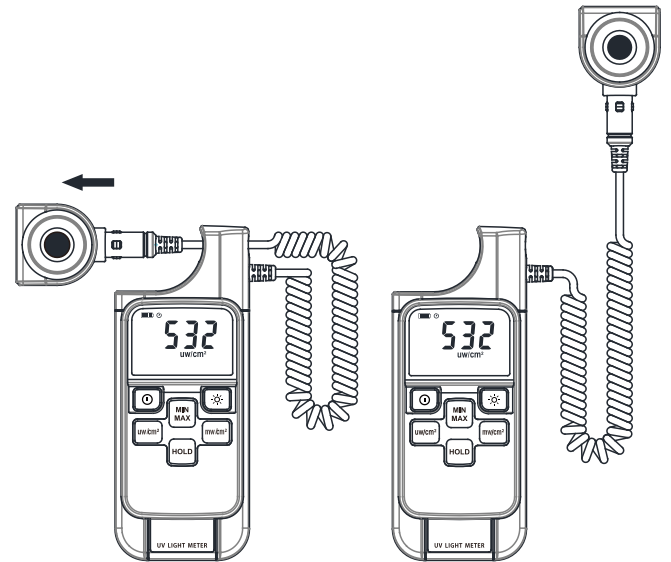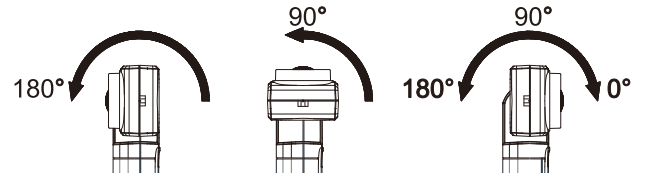Ultraviolet intensity Unit indicator

2. Name of Parts & Position:

① **Light Sensing Probe**:

- This probe can be fixed on the meter parallel or perpendicular to the LCD surface. Or it may be detached from the unit to fit the measuring requirement.

② **LCD display**:

6 1/2" large size back light LCD display.

③ ⊙ **Power button**:

Push this button to turn on the meter. Push and hold this button for 3 seconds to turn it off. The unit will automatically turn itself off after 30 minutes if there is no key operation. To disable the automatic power off function, turn the meter off, push and keep holding " HOLD " button, then push power button to turn on. The " ⏻ " will disappear from the LCD to confirm this operation.

④ ☼ **Backlight (Power) button**:

Push this button to turn on and off the LCD backlight. The backlight will be automatically off after 30 seconds to save battery power.

⑤ HOLD **HOLD button**:

The user may hold the present reading and keep it on the LCD display by pressing the HOLD button. To release the data held operation, user may press the button again.

⑥ MIN MAX **Max Min button**:

Push this button to set the meter working under MAX/MIN mode. By pushing this button, the user may swap the LCD reading among maximum, minimum and current reading. Push and hold this key for 3 seconds to exit MAX/MIN mode.

⑦ uw/cm² **uw/cm^2 selector button**:

To switch the measuring range to lower range with unit uw/cm^2

⑧ mw/cm² **mw/cm^2 selector button**:

To switch the measuring range to higher range with unit mw/cm^2

⑨ **Battery cabinet cover**:

When battery capacity segment is less than one, the user should replace the battery. The battery cabinet cover can be opened with a Philips screw driver and two AA type batteries should be replaced.