

Oregon SCIENTIFIC

Portable UV Monitor
(Models: EB612 / UV888)

USER MANUAL

INTRODUCTION

Thank you for selecting the Oregon Scientific™ Portable UV Monitor.

NOTE Please keep this manual handy as you use your new product. It contains practical step-by-step instructions, as well as technical specifications and warnings you should know.

OVERVIEW

FRONT VIEW



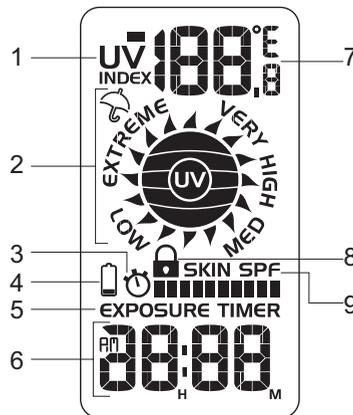
1. Sensor
2. **UV**: measure UV level
3. **MODE / SET**: toggle display modes, enter settings mode
4. Strap loop/hole
5. **START / STOP / UP**: start, stop and pause timers; adjust settings
6. **CLEAR / DOWN**: stop timers; adjust settings

BACK VIEW



1. **RESET**
2. Battery compartment

LCD DISPLAY

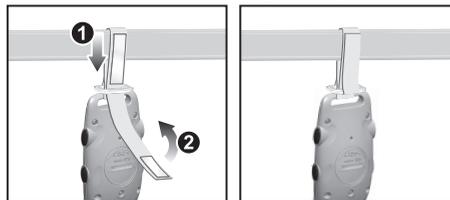


1. UV Index icon
2. UV measurement icon
3. Exposure alarm
4. Low battery icon
5. Exposure timer icon
6. Clock / timer
7. Temperature display
8. Key lock icon
9. Skin type / Sun Protection Factor icons

GETTING STARTED

STRAP

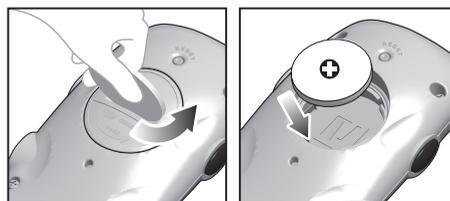
Wear on the wrist or attach using the strap as shown.



BATTERIES

The unit uses a CR2032 battery.

Insert the battery before first use, matching the polarity (+ and -):



appears when the battery is low.

The unit powers on automatically after the battery is inserted.

ENTER SETTINGS

Upon first use, battery change, or reset the monitor automatically enters setting mode.

To enter settings:

1. Press **UP** and **DOWN** to select the desired setting, press and hold to quickly scroll through the setting values.
2. Press **MODE / SET** to confirm.
3. The settings order is: 12/24 hr format, hour, minute, °C/°F, skin type, SPF.

Use the table below to help you determine your skin type. First use the **TANS / BURNS** columns. If unsure, use the colour of your skin in an area that does not get exposed to sunlight to help guide you. Alternatively, eye colour can also be used as a guideline.

Skin type setting options:

SKIN TYPE	TANS / BURNS	SKIN COLOUR IN UNEXPOSED AREA	EYE COLOUR
1	Never tans; always burns	Pale or milky white; alabaster	Blue
2	Sometimes tans; usually burns	Very light brown, sometimes freckles	Blue /Green
3	Usually tans; sometimes burns	Light tan, brown or olive; distinctly pigmented	Gray/ Brown
4	Always tans; rarely burns	Brown, dark brown or black	Brown

SPF setting options:

The SPF range is between 1-70. Enter an SPF setting that corresponds to the SPF protection of the sunscreen product you are using.

DISPLAY

To toggle display modes:

Press **MODE / SET** to toggle display mode between:

- Clock Mode: time, UV level and temperature
- Timer Mode: timer, UV level and temperature
- UV mode: UV index, UV level and UV exposure time / timer.

UVI DISPLAY

UV INDEX	LEVEL	UVI DISPLAY
0-2	Low	
3-5	Medium	
6-7	High	
8-10	Very high	
11-25	Extremely high	
25+	Over range	and "HH" on LCD display

To measure UVI:

1. Press **UV**. The sensor will measure continuously for 4 seconds. Rotate the unit by 360° while the sensor is reading to provide a more accurate measurement.
2. Unless there is an exposure timer activated skin type and SPF will be displayed consecutively during this time.
3. UV index, UV level and exposure timers will be automatically be updated.

NOTE

- If no timer is set the display will clear after 30mins.

UV EXPOSURE TIMER

After taking a UV measurement in UV mode the monitor calculates a recommended maximum exposure time based on the skin type and SPF set by the user.

NOTE

- Please set your skin type before using the exposure timer. If you change the skin type or SPF, the exposure time will be adjusted automatically.
- The monitor automatically measures the UV level every 10mins when a timer is set. If the UV index has increased it will then adjust the timer to take account of the new levels.

IMPORTANT The calculated exposure time is a suggestion only.

UV EXPOSURE COUNTDOWN TIMER

To start a UV countdown:

1. After UV exposure time has been calculated press **START / STOP** to start the timer.
2. To pause the timer press **START / STOP**.
3. Press **START / STOP** again to resume or press **CLEAR** to cancel the timer.
4. When the timer has elapsed an alarm will sound.

To silence the alarm:

Press any button.

NOTE

- Press **UV** during a countdown to manually force a UV measurement. The timer will automatically adjust the exposure time.
- After pausing and restarting the timer, press **UV** to ensure the timer remains accurate.

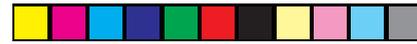
MANUAL COUNTDOWN TIMER

To set countdown timer:

1. In timer mode, press and hold **MODE / SET**.
2. Use **UP** and **DOWN** to select hour and minutes.
3. Press **MODE / SET** to confirm.

To start manual countdown timer:

1. Press **MODE / SET** to select timer mode.
2. Press **START / STOP** To start the timer
3. To pause the timer press **START / STOP**.
4. Press **START / STOP** again to resume or press **CLEAR** to cancel the timer.
5. When the timer has elapsed an alarm will sound.



To silence the alarm:
Press any button.

SETTINGS

To change clock settings:

1. In clock mode, press and hold **MODE / SET**.
2. Use **UP** and **DOWN** to select the desired setting.
3. Press **MODE / SET** to confirm. The settings order is: 12/24 hr format, hour, minute, °C/°F.

To change skin type / SPF settings

1. In UV mode press and hold **MODE / SET**.
2. Use **UP** and **DOWN** to select the desired setting.
3. Press **MODE / SET** to confirm. The settings order is: skin type / SPF.

KEY LOCK

To activate / de-activate key lock:

Press and hold **START / STOP / UP**, then press **CLEAR / DOWN**.  indicates key lock is activated.

PRECAUTIONS

This unit is engineered to give you years of satisfactory service if you handle it carefully. Here are a few precautions:

- Do not immerse the unit in water.
- Use a soft, slightly moistened cloth to clean the unit. Do not use abrasive or corrosive cleaning agents, as these may cause damage.
- Do not subject the product to excessive force, shock, dust, temperature changes, humidity and direct sunlight for extended periods.
- Do not tamper with the internal components. Doing so will terminate the product warranty and may cause damage. The unit contains no user-serviceable parts.
- Remove the batteries when storing the product for a long time. Do not mix new and old batteries.
- Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

NOTE The technical specifications for this product and the contents of the user guide are subject to change without notice.

SPECIFICATIONS

TYPE	DESCRIPTION
Unit dimension (H x W x D)	80 x 43 x 20mm (3.2 x 1.7 x 0.9 inches)
Unit weight	78g (2.75 ounces) without battery
UVI range	1-25
Clock time	12 or 24-hour format
Temperature unit	°C / °F
Alert sound	2 minutes
Timer	1 min up to 39 hrs 59 mins
Operating temperature	-20°C to 60°C (-4°F to 140°F)
Water resistance	IPX-2 / JIS2
Power	1 x CR2032 battery

ABOUT OREGON SCIENTIFIC

Visit our website (www.oregonscientific.com) to learn more about Oregon Scientific products such as digital cameras; MP3 players; children's electronic learning products and games; projection clocks; health and fitness gear; weather stations; and digital and conference phones. The website also includes contact information for our Customer Care department in case you need to reach us, as well as frequently asked questions and customer downloads.

We hope you will find all the information you need on our website, however if you're in the US and would like to contact the Oregon Scientific Customer Care department directly, please visit:

www2.oregonscientific.com/service/default.asp

OR

Call 1-800-853-8883.

For international inquiries, please visit: www2.oregonscientific.com/about/international.asp

EU DECLARATION OF CONFORMITY

Hereby, Oregon Scientific, declares that this Portable UV Monitor (EB612) is in compliance with EMC directive 89/336/CE. A copy of the signed and dated Declaration of Conformity is available on request via our Oregon Scientific Customer Service.



COUNTRIES RTTE APPROVAL COMPLIED

ALL EU countries, Switzerland  and Norway 

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

WARNING Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

DECLARATION OF CONFORMITY

The following information is not to be used as contact for support or sales. Please call our customer service number (listed on our website at www.oregonscientific.com), or on the warranty card for this product) for all inquiries instead.

We

Name: Oregon Scientific, Inc.
Address: 19861 SW 95th Ave., Tualatin, Oregon 97062 USA
Telephone No.: 1-800-853-8883

declare that the product

Product No.: EB612
Product Name: Portable UV Monitor
Manufacturer: IDT Technology Limited
Address: Block C, 9/F, Kaiser Estate, Phase 1, 41 Man Yue St., Hung Hom, Kowloon, Hong Kong

is in conformity with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) This device may not cause harmful interference. 2) This device must accept any interference received, including interference that may cause undesired operation.