



**Portable UV Monitor**  
**Model: EB612 / UV888**

**USER MANUAL**

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## 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 loophole
5. **START / STOP / UP**: start, stop and pause timers; adjust settings
6. **CLEAR / DOWN**: stop timers; adjust settings

### BACK VIEW

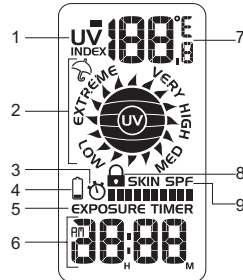


1. **RESET**
2. Battery compartment



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## LCD DISPLAY

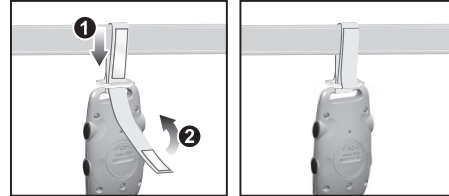


1. UV Index icon
2. UV measurement icon
3. Exposure alarm
4. Low battery icon
5. Exposure timer icon
6. Clock / timer
7. Temperature display
8. Key lock icon
9. Skin type / Sun Protection Factor icons

## GETTING STARTED

### STRAP

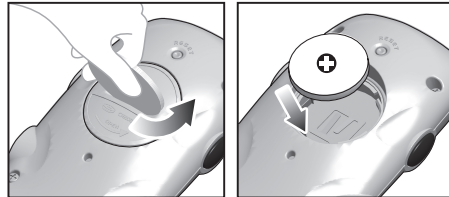
Wear on the wrist or attach using the strap as shown.




## 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



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#### 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.

## RESET

In case of abnormal operation, use a thin blunt object to press the **RESET** button on the back of the unit.

## PRECAUTIONS

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

- Do not subject the unit to excessive force, shock, dust, temperature or humidity, which may result in malfunction, shorter electronic life span, damaged battery and distorted parts.

- Placement of this product on wood surfaces with certain types of finishes, such as clear varnish, may result in damage to the finish. Consult the furniture manufacturer's care instructions for direction as to the types of objects that may safely be placed on the wood surface. Oregon Scientific shall not be responsible for any damage to wood surfaces from contact with this product.
- Do not immerse the unit in water. If you spill liquid over it, dry it immediately with a soft, lint-free cloth.
- Do not clean the unit with abrasive or corrosive materials.
- Do not tamper with the unit's internal components. Doing so will invalidate the warranty on the unit and may cause unnecessary damage. The unit contains no user-serviceable parts.
- Only use fresh batteries as specified in the user's instructions. Do not mix new and old batteries.
- Do not use rechargeable batteries with this product.
- Remove the batteries if storing this product for a long period of time.
- Due to printing limitations, the displays shown in this manual may differ from the actual display.
- The contents of this manual may not be reproduced without the permission of the manufacturer.
- 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 manual are subject to change without notice



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## 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	0°C to 60°C (32°F to 140°F)
Water resistance	IPX-2 / JIS2
Power	1 x CR2032 battery

[www2.oregonscientific.com/service/default.asp](http://www2.oregonscientific.com/service/default.asp)  
OR  
Call 1-800-853-8883.

For international inquiries, please visit: [www2.oregonscientific.com/about/international.asp](http://www2.oregonscientific.com/about/international.asp)

## EU-DECLARATION OF CONFORMITY

Hereby, Oregon Scientific, declares that this Portable UV Monitor Model: EB612 / UV888 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.



## ABOUT OREGON SCIENTIFIC

Visit our website ([www.oregonscientific.com](http://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:

## 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.

  
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**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](http://www.oregonscientific.com)), or on the warranty card for this product) for all inquiries instead.

  
**We**

Name: Oregon Scientific, Inc.  
Address: 19861 SW 95<sup>th</sup> 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.





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