Water Thermo Sensor
Model: THWR800 / THWR800A

USER MANUAL

EN

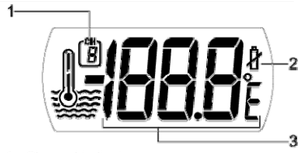
FRONT VIEW

1. LED indicator

BACK VIEW

1. Tubular casing
2. **RESET** button
3. String hole

SCREEN DISPLAY



1. Channel indicator
2. Low battery indicator
3. Temperature display

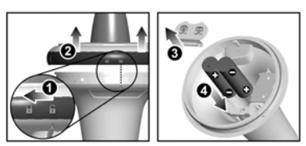
INTRODUCTION

This sensor is compatible with various weather station products that carry this logo 3.0 .

GETTING STARTED

The battery compartment resides in the tubular casing, and the switches for selecting channels and temperature unit are located on the inside of the main lid.

1. Twist the main lid to (unlock position), then pull it apart from the tubular casing.
2. Remove the battery compartment lid and insert 2 x UM-3 / AA 1.5V batteries, matching the polarity. Replace the battery compartment lid.



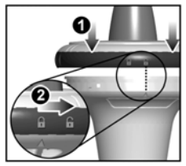
NOTE Standard Alkaline batteries contain a significant amount of water. Because of this they will freeze in low temperatures of approximately 10°F (-12°C). Disposable Lithium batteries have a much lower threshold for temperature with an estimated freezing range of below -40°F (-40°C).

IMPORTANT Do not use rechargeable batteries.

WARNING While you may use Lithium batteries to power the sensor, and although the sensor can withstand low temperatures, it is not recommended to use it in temperatures below 32°F (0°C). Placing the sensor in frozen water may damage the unit.

3. The diagram below is the inside of the main lid. Select a channel from **Channel switch** (1). If using more than one remote unit, select a different channel number for each unit. Select the temperature unit from **°C / °F switch** (2).

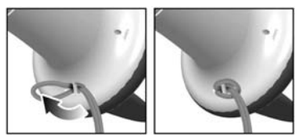
4. Place the main lid back on the tubular casing and twist it to (lock position).



5. Press **RESET**.

USING THE SENSOR

1. The sensor has a string to loop through the hole at the base of the tubular casing. This can allow you to hang the unit while you immerse it in water.



2. Place the sensor in the water and make sure that it is within the effective transmission range (328 feet / 100 metres) from the main unit.

TIP Press **RESET** whenever the sensor is not performing as expected (e.g. unable to establish radio frequency link with the main unit).

TIP Place the sensor as closely as possible to the main unit. Otherwise, minimise obstructions such as doors, walls and furniture between the main unit and sensor if the sensor cannot be placed close to the main unit. You may need to experiment with various locations to get the best results.

NOTE With adequate power, the Liquid Crystal Display in outdoor temperatures will remain operational up to -20°F (-28°C).

NOTE Wireless ranges can be impacted by a variety of factors such as extremely cold temperatures. Extreme cold may temporarily reduce the effective range between the sensor and the main unit. If the unit's performance fails due to low temperature, the unit will resume proper functioning as the temperature rises to within the normal temperature range. No permanent damage will occur to the unit due to low temperatures.

BATTERY REPLACEMENT

Replace the batteries whenever the low battery icon shows on the remote sensor, or on the remote sensor area of the main unit. Press **RESET** after every battery replacement.

PRECAUTIONS

- Do not subject the unit to excessive force, shock, dust, temperature or humidity.
- Do not cover the ventilation holes with any items such as newspapers, curtains etc.
- Do not clean the unit with abrasive or corrosive materials.
- Do not tamper with the unit's internal components. This invalidates the warranty.
- Only use fresh batteries. Do not mix new and old batteries.
- Images shown in this manual may differ from the actual display.
- When disposing of this product, ensure it is collected separately for special treatment and not as normal household waste.
- Placement of this product on certain types of wood may result in damage to its finish for which Oregon Scientific will not be responsible. Consult the furniture manufacturer's care instructions for information.
- The contents of this manual may not be reproduced without the permission of the manufacturer.
- Do not dispose old batteries as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.
- Please note that some units are equipped with a battery safety strip. Remove the strip from the battery compartment before first use.

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

SPECIFICATIONS

TYPE	DESCRIPTION
Dimension	100 mm (D) x 180 mm (H)
Weight	174 g
Operating range in water	32°F (0°C) to 122°F (50°C)
Operating range in room temperature	-22°F (-30°C) to 185°F (85°C)
Temperature resolution	0.2°F (0.1°C)
Number of channels	3
Data transfer	- Channel 1: approximately every 53 seconds - Channel 2: approximately every 59 seconds - Channel 3: approximately every 61 seconds
Transmission range	328 ft (100 m)
Transmission frequency	433 MHz
Batteries	2 x UM-3 / AA 1.5V
Remote sensor waterproof	Up to 1 m (3.28 ft)

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Visit our website (www.oregonscientific.com) to learn more about Oregon Scientific products. If you're in the US and would like to contact our Customer Care department directly, please visit:
www2.oregonscientific.com/service/support
OR
Call 1-800-853-8883.

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

EU-DECLARATION OF CONFORMITY

Hereby, Oregon Scientific, declares that this Water Thermo Sensor (model: THWR800 / THWR800A) is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A copy of the signed and dated Declaration of Conformity is available on request via our Oregon Scientific Customer Service.

CE
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.: THWR800 / THWR800A
Product Name: Water Thermo Sensor
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.