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ADDITIONAL RESOURCES

Visit our website (www.oregonscientific.com) to learn more about your new product and other Oregon Scientific products such as digital cameras, hand-held organizers, health and fitness gear, and weather stations. The website also includes contact information for our customer service department, in case you need to reach us.

ABOUT THIS GUIDE

Congratulations on your selection of the Oregon Scientific Wireless Outdoor Temperature and Humidity Sensor (THGR 238 NF)
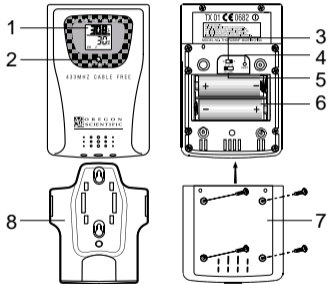
This sensor is compatible with a wide variety of weather monitoring tools, and can be used with most of the Oregon Scientific receiver units.

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.

In this box, you will find:

- Remote unit
- Batteries

PRODUCT OVERVIEW

DESCRIPTIONS

1. Temperature display
2. LED indicator
3. °C / °F switch
4. Reset button
5. Channel switch
6. Battery compartment
7. Battery compartment lid
8. Wall mount

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GETTING STARTED

This product can be used with up to 2 remote units to transmit outdoor temperature and humidity data to a main (indoor) unit. The measurement unit (°C or °F) and channel number (1, 2, or 3) switches are located in the battery compartment, and should be set prior to installation.

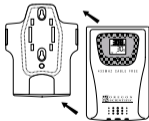**NOTE** Additional remote units sold separately.

SET UP

1. Place remote unit as close as possible to the main unit.

2. Remove the battery compartment lid. (You will need a small Phillips screwdriver.)

3. Assign a Channel Number. If you are using more than one remote unit, select a different channel number for each unit.

4. Set the measurement unit.

5. Insert the batteries. Match the polarity, as shown in the battery

compartment.

6. Press **RESET** with the point of a blunt object (such as a ball point pen).

7. Replace the battery compartment lid. Secure.

8. Mount the remote unit on a flat surface using the recess holes on the back of the mounting unit. Insert the sensor into the mounting unit,and gently push down to secure. For best results:

   • Place the unit out of direct sunlight and moisture.

• Do not place the remote unit more than 20 – 30 meters (60 – 90 feet) from the main (indoor) unit.

• Position the unit so that it faces the main (indoor) unit. Minimize obstructions such as doors, walls, and furniture.

You may need to experiment with various locations to get the best reception.

9. Once the batteries are in place, the sensor will transmit signals every 40 seconds.The readings shown on the main unit depend on which remote

sensor (1, 2, or 3) is selected. Refer to the main unit User Manual for more information.

CHANGE CHANNEL
Repeat the Set Up procedure (→ 4). In Step 3, select a different Channel Number.

LOW BATTERY WARNING
Replace the batteries whenever the low battery signal (⚡) shows on the remote unit, or on the remote unit area of the main unit.

NOTE Do not use rechargeable batteries. Properly dispose used batteries by taking them to an authorized disposal station.

RESET SYSTEM

The **RESET** button is located in the battery compartment. Press it with the point of a blunt object (such as a ball point pen) whenever you change the batteries, or whenever performance is not behaving as expected (e.g., unable to establish radio frequency link with main unit). Refer to the User Manual for the main unit for more information.

SAFETY AND CARE

Wash the unit with a slightly damp cloth and mild detergent. Avoid dropping the unit or placing it in a high-traffic location.

Do not expose the unit to direct sunlight since this may affect the accuracy of measurements.

WARNINGS

This product is designed to give you years of service if handled properly. Observe the following guidelines:

- Never immerse the unit in water. This can cause electrical shock and damage the unit.
- Do not subject the main unit to extreme force, shock, or fluctuations in temperature or humidity.
- Do not tamper with the internal components.
- Do not mix new and old batteries or batteries of different types. Do not use rechargeable batteries with this product.
- Remove the batteries if storing this product for a long period of time.
- Do not scratch the LCD display.
- Do not make any changes or modifications to this product. Unauthorized changes may void your right to use the product.

- The contents of this user manual are subject to change without notice.
- Images not drawn to scale.

TROUBLESHOOTING

Check here before contacting our customer service department.

Problem	Symptom	Remedy
Temp	Main unit shows "LLL" or "HHH"	Temperature is out-of-range.
Remote unit	Cannot locate main unit	Check batteries ($\rightarrow$ 6)
		Check location ($\rightarrow$ 5)

SPECIFICATIONS

Dimensions

L x W x H	105 x 70 x 21 mm
	(4.2 x 2.8 x 0.84 inches)
Weight	80.5 grams
	(without batteries)

Temperature

Unit	°C or °F
Range	-20 °C to 60 °C
	(-4 °F to 140 °F)
Resolution	0.1 °C (0.2 °F)

Relative humidity

Range	25% to 95%
Resolution	1%

Frequency

RF frequency	433 MHz
Range	30 meters (98 feet) with no obstructions
Transmission	every 40 seconds

Channel No.	1, 2, or 3
Unit	°C or °F
Power	2 x UM-3 (AA) 1.5V alkaline batteries

NOTE ON COMPLIANCE

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 operations.

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

FCC :

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 of an experienced radio/TV technician for help.

Company Name : Oregon Scientific, Inc.

Address : 19861 SW 95th Place, Tualatin, Oregon 97062, USA

Telephone Number : 1-800-853-8883

Name and model number of the product : Wireless Remote Thermo-Hygro Sensor THGR 238 NF

CAUTION

— The content of this manual is subject to change without further notice.

— Due to printing limitation, 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.

OREGON SCIENTIFIC

**Wireless Remote Thermo-Hygro Sensor
(Model #: THGR 238 NF)**

Ferrari
OFFICIAL LICENSED PRODUCT

User Manual

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