Remote Rain Gauge
with Outdoor Thermometer
Model: RGR126N
USER MANUAL

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INTRODUCTION

Thanks for purchasing the Oregon Scientific™ Remote Rain Gauge with Outdoor Thermometer (RGR126N).

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 about.

PACKAGING CONTENTS

<table>
<thead>
<tr>
<th>Main Unit</th>
<th>Rain Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermo Sensor</td>
<td>Thermo Sensor Table Stand</td>
</tr>
</tbody>
</table>

OVERVIEW

FRONT VIEW

1. Four-line LCD display: for displaying the total rainfall, current rainfall or rainfall history, indoor/outdoor temperature and clock/calendar.
2. UP: increase setting values; press and hold for rapid increase;
3. HIST: toggle between rainfall history and daily rainfall
4. SINCE: press to review the date when the measurement started. Press and hold to clear the previous rainfall start time and reset the rainfall counter to start again.
5. **DOWN**: decrease setting values; press and hold for rapid decrease

6. **SEARCH**: press and hold to enforce a search for the rain gauge and remote thermo sensor

7. **MODE**: change setting/clock display

8. Removable table stand: for securing the main unit on a flat surface

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1. **Antenna**: receives radio signal from rain gauge and remote thermo sensor

2. **Wall mount hole**

3. **RAIN ALERT**: an alert for excessive rain

4. **Battery compartment**

5. **RESET**: reset the unit to default settings

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**REAR VIEW**

1. Antenna: receives radio signal from rain gauge and remote thermo sensor

2. Wall mount hole

3. **RAIN ALERT**: an alert for excessive rain

4. **Battery compartment**

5. **RESET**: reset the unit to default settings

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**LCD DISPLAY**

1. **TODAY**: today's rainfall indicator

2. Indicates on which previous day (1-9) is the displayed data recorded
3. Rainfall alert indicator
4. remote rain gauge sensor battery low
5. rain gauge RF reception status
6. TOTAL: rainfall indicator
7. outdoor thermo RF reception status
8. outdoor remote sensor battery low
9. AM/PM
10. main unit battery low
11. mm/in: millimeter/inch (rain rate unit)
12. Today’s rainfall
13. mm/in: millimeter/inch (rain rate unit)
14. Total rainfall
15. Outdoor temperature
16. SINCE: start date of the accumulated rainfall Yr: year
17. Time display; M.D (month: day); D.M (day: month); calendar

REMOTE SENSOR (THN802)

1. LED status indicator
2. Wall mount hole
3. RESET hole
4. CHANNEL switch (1, 2, 3)
5. Battery compartment
Position the main unit, rain gauge, and thermo sensor within effective range:

- Rain gauge – 100 meters/329 feet
- Thermo sensor – 100 meters/329 feet

**IMPORTANT** It is recommended that you follow the sequence below while setting up the units:

1. Set up the main unit.
2. Set up the rain gauge, then press and hold SEARCH on the main unit and wait until you receive a signal.
3. Set up the thermo sensor, then press and hold SEARCH on the main unit and wait until you receive a signal.
4. In the event that you do not obtain a signal from a remote unit please repeat the process above.
1. Insert the batteries, matching the polarity (+/-) as shown in the battery compartment.
2. Press RESET, or press and hold SEARCH on the main unit to initiate operation. The reception icons ( && , &amp; ) on the main unit will blink while it is searching for the sensor or rain gauge.

**NOTE** The main unit returns to default settings in each battery replacement.

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**REMOTE SENSOR • INSERT BATTERIES**

1. Remove the battery compartment cover by screwdriver.
2. Insert the batteries, matching the polarities (+/-).
3. Press RESET after each battery change.

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**REMOTE SENSOR • LOCATION MEANING**

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>MEANING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rainfall area</td>
<td>Rain collector sensor batteries low</td>
</tr>
<tr>
<td>Outdoor temperature area</td>
<td>Outdoor sensor batteries low</td>
</tr>
<tr>
<td>Clock area</td>
<td>Main unit batteries low</td>
</tr>
</tbody>
</table>

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**NOTE** Use alkaline batteries for longer usage and consumer grade lithium batteries in temperatures below freezing.

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**REMOTE SENSOR**

The main unit can collect data from up to two (2) sensors, including one rain gauge and one outdoor thermo sensor.

**To set up the sensor:**

1. Open the battery compartment.
2. Select a channel then press RESET.
3. Close the battery compartment cover.
4. Place the sensor within 100 m (329 ft) of the main unit using the table stand or wall mount.

**TIP** For accurate readings, ideal placements for the sensor would be in any location on the exterior of the home at a height of no more than 1.5 m (5 ft); and can shield it from direct sunlight or wet conditions.

**SENSOR DATA TRANSMISSION**

**To search for a sensor:**

- Press and hold SEARCH.
- The sensor reception icon in the remote sensor area shows the status (see below).
RAIN GAUGE

The rain gauge collects rain and takes readings of rainfall rate and the total rainfall over a period of time. The sensor can remotely transmit data to the main unit.

The main unit and rain gauge should be positioned within an effective range: about 100 m (329 ft) in an open area.

The rain gauge should be mounted horizontally about one meter (three feet) from the ground in an open area away from trees or other obstructions to allow rain to fall naturally for an accurate reading.

To set up a rain gauge:

1. Remove screws and slide the cover off in an upwards motion.
2. Insert the batteries (2 x UM-3/AA), matching the polarities (+/-). Press RESET after each battery change.
3. Remove the fiber tape.

To ensure a level plane:

Put a few drops of water on the cross at the base of the funnel to check the horizontal level.

Water will pool to the center of the cross when the rain gauge is level.
If water remains on 1-4, the gauge is not horizontal.
If necessary, adjust the level using the screw.
For best results, ensure the base is horizontal to allow maximum drainage of any collected rain.

**Signals**

To search for the rain collector:
- Press and hold SEARCH.

The remote rain collector reception indicator in the rainfall area shows the status:

<table>
<thead>
<tr>
<th>ICON</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No signal.</td>
</tr>
<tr>
<td>searching</td>
<td>Searching for</td>
</tr>
<tr>
<td>signal</td>
<td>signal.</td>
</tr>
<tr>
<td>signal</td>
<td>Signal connected.</td>
</tr>
</tbody>
</table>

**Tip** The transmission range may vary depending on many factors. You may need to place the sensor(s) in different locations to get the best result.

**CLOCK**

**Manually Set Clock**
1. Press and hold MODE.
2. Press UP or DOWN to change the settings.
3. Press MODE to confirm.
4. The settings order is: 12/24 hr format, hour, minute, year, calendar mode (day-month/month-day), month, day, and language.

**Note** The language options are English (E), German (D), French (F), Italian (I), and Spanish (S).

To select display mode:
- Press MODE to choose between clock with seconds/weekday/calendar.

**Rainfall**

Today's rainfall appears on the first line of the display. Press in/mm to toggle between inches and millimeters.

**Rainfall History**

The rainfall history is displayed on the first row of the display. The main unit can record and store up to nine days of rainfall.
To display the record for a particular day:

- Press HIST to toggle between daily rainfall and rainfall history over the past nine days. The day of the record will be displayed with a minus (-) sign at the top left hand corner. TODAY means the record is for the current day.

**NOTE** Other sensors using the 433 MHz transmission frequency may influence the rainfall reading. Please avoid placing those sensors too close to the unit.

**TOTAL RAINFALL**

The total rainfall is displayed on the second line of the display.

To display the commencing date of the total rainfall record:

- Press SINCE. The date when the measurement started will appear on the bottom line of the display.

To clear the existing commencing date and reset it to start again:

- Press and hold SINCE. The total rainfall will be reset to zero and then collect the rainfall data starting from today.

**RAINFALL ALERT**

To set the rainfall alert value:

1. Press and hold RAIN ALERT to enter setting mode.
2. Press UP or DOWN to toggle values.
3. Press RAIN ALERT to confirm. P indicates rainfall alert function is enabled.

To deactivate rainfall alert:

- The rainfall alert will be activated when the rainfall is equal to or more than the rainfall alert value; P will flash continuously.
- To deactivate the rainfall alert, press RAIN ALERT twice and wait for 8 seconds, or increase the rainfall alert value.

**TEMPERATURE**

To toggle temperature unit:

- Press between °C / °F.

**RESET**

Press RESET to return to the default settings.

**NOTE** The main unit returns to default settings in each 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 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. 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 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.

**NOTE** Features and accessories will not be available in all countries. For more information, please contact your local retailer.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAIN UNIT</td>
<td></td>
</tr>
<tr>
<td>Dimensions (L x W x H)</td>
<td>93 x 68 x 30mm (3.66 x 2.68 x 1.18 in)</td>
</tr>
<tr>
<td>Weight</td>
<td>96g (3.39 ounces) including battery</td>
</tr>
<tr>
<td>Temperature range</td>
<td>-5°C to 50°C (23°F to 122°F)</td>
</tr>
<tr>
<td>Temperature resolution</td>
<td>0.1°C (0.2°F)</td>
</tr>
<tr>
<td>Signal frequency</td>
<td>433 MHz</td>
</tr>
<tr>
<td>Power</td>
<td>2 x UM-3(AA) 1.5V batteries</td>
</tr>
</tbody>
</table>
REMOTE THERMO SENSOR (THN802)

Dimensions 96 x 50 x 22mm (3.78 x 1.97 x 0.87 in)
Weight 62g (2.22 ounces)
RF transmission range 100 meters (329 feet)
Temperature range -30°C to 60°C
Temperature resolution 0.1°C (0.2°F)
Number of channel 3
Power 2 x UM-4 (AAA) 1.5V batteries

REMOTE RAIN GAUGE (PCR800)

Dimensions 114 x 114 x 145 mm (4.5 x 4.5 x 5.7 inches)
Weight 241 g (8.5 oz) without battery
Transmission range 100m (329 ft) unobstructed
Power 2 x UM-3 (AA) 1.5V

EU - DECLARATION OF CONFORMITY

Hereby, Oregon Scientific, declares that Remote Rain Gauge w/ Outdoor Thermometer (model: RGR126N) 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.

ABOUT OREGON SCIENTIFIC

Visit our website www.oregonscientific.com to learn more about Oregon Scientific products.

For any enquiry, please contact our Customer Services at info@oregonscientific.com.

Oregon Scientific Global Distribution Limited reserves the right to interpret and construe any contents, terms and provisions in this user manual and to amend it, at its sole discretion, at any time without prior notice. To the extent that there is any inconsistency between the English version and any other language versions, the English version shall prevail.

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: 10778 SW Manhasset Dr.
UNIT B-2 Tualatin, OR 97062 USA

Declare that the product

Product No.: RGR126N
Product Name: Remote Rain Gauge with Outdoor Thermometer
Manufacturer: IDT Technology Limited
Address: Block C, 9/F, Kaiser Estate,
Phase 1, 41 Man Yue St.,
Hung Hom, Kowloon,
Hong Kong