

THE RAIN GAUGE

MODEL: RGR968

USER'S MANUAL

SECTION 1 INTRODUCTION

Congratulations on your purchasing the RGR 968 Rain Gauge.

The Rain Gauge measures the total amount and rate of rainfall.

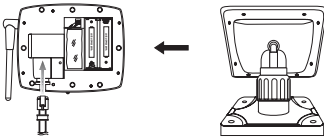
The Rain Gauge is a part of the Cable Free Weather Station (WMR112A). If you want to see readings for the total amount of rainfall and the rate of rainfall you need to own a WMR112A main display unit.

The rain gauge is powered by solar transmitter STR928 that is included in this package.

SECTION 2 INSTALLATION

TO INSTALL IT

1. Unscrew the solar transmitter STR928.
2. Plug in the connector of RGR968 into the solar transmitter as shown.
3. Secure the screws again.

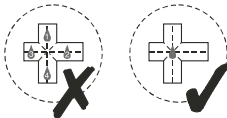


4. Open the cover of the rain collector.
5. Remove the fiber tape from around the bucket assemblies.

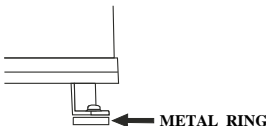


6. Mount the rain gauge and its solar transmitter safely in place.
7. Put drops of water on the cross at the base on the rain collector to check the leveling.

Water stay at position 1 - 4 means the gauge is not leveled



8. Use metal ring to adjust the leveling of the rain collector if necessary.



9. Close the cover of the rain collector.
10. Press [RESET] of STR928 after installation.

THE SOLAR TRANSMITTER

The solar transmitter makes use of solar energy to power the anemometer. Two pieces of UM3 or "AA" - sized batteries are needed as back-up power.

Note: It is recommended to insert two UM3 or "AA"-sized super lithium batteries for weather condition under 32°F.

For the solar transmitters to function properly, make sure the solar receptors on the transmitter is exposed to sunlight and the connectors of the connection cable are securely plugged in.



SECTION 3 OPERATION

RAINFALL

The rate of rainfall can be displayed in mm/hr or in/hr.

To select the display unit,

1. Press the rainfall window.
2. Press [UNIT] for the desired setting.

To display the yesterday's rainfall and the total rainfall from the last cleared date,

1. Press the rainfall window.
2. Press [MEMORY] for the desired record. Yesterday rainfall will be displayed with "YESTERDAY" shown in the rainfall window. Total rainfall will be displayed with "TOTAL" shown in the rainfall window. The time and date of the record will be displayed alternatively with "SINCE" icon in the clock window for total rainfall.

Note: Yesterday's rainfall record will be updated when the real time clock runs from 11:59:59 pm to 12:00:00 am. And it is counted for 12:00:00 am of one day to 12:00:00 am on the next day.

If the rain sensor detects no rainfall for about two consecutive hours, the current rate of rainfall will be displayed as zero.

To clear the total rainfall,

1. Press the rainfall window.
2. Press and hold [MEMORY] till a key tone is heard.

The yesterday's rainfall record will not be affected when you clear the total rainfall.

OPTIONAL ACCESSORY ITEMS

This device is compatible to be used with the following items:

- Anemometer (WGR968)
- Baro-thermo-hygrometer (BTHR968)
- Outdoor Thermo-hygrometer (THGR968)

MAINTENANCE

When handled properly, this unit is engineered to give you years of satisfactory service. Here are a few product care instructions:

1. Do not immerse the unit in water. If the unit comes in contact with water, dry it immediately with a soft lint-free cloth.
2. Do not clean the unit with abrasive or corrosive materials. Abrasive cleaning agents may scratch the plastic parts and corrode the electronic circuit.
3. Do not subject the unit to excessive: force, shock, dust, temperature, or humidity. Such treatment may result in malfunction, a shorter electronic life span, damaged batteries, or distorted parts.
4. Do not tamper with the unit's internal components. Doing so will terminate the unit's warranty and may cause damage. The unit contains no user-serviceable parts.
5. Only use new batteries as specified in this instruction manual. Do not mix new and old batteries as the old batteries may leak.
6. Read this instruction manual thoroughly before operating the unit.

SPECIFICATIONS

Rainfall

| | |
|--------------------------------------|-------------------------------------|
| Daily and Cumulative Measuring Range | : 0 to 9999 mm (0 to 393.7 in) |
| Rainfall Rate Measuring Range | : 0 to 999 mm/hr (0 to 39.37 in/hr) |
| Daily and Cumulative Resolution | : 1 mm (0.04 inch) |
| Rainfall Rate Resolution | : 1mm/hr (0.04 m/h) typical |

RGR968 :

| | |
|--------------|--|
| Weight | : 9.73 ounces(276g) |
| Dimension | : Ø 113.5 x 145 (H) mm (4.47x5.71 inches) |
| Power : Main | : solar cell (STR928) |

STR928 :

| | |
|---------------|--|
| Weight | : 9.38 ounces (266g) |
| Dimension | : 115 (L) x 81 (W) x 138 (H) mm (4.53x3.19x5.43 inches) |
| Power back up | : 2 x UM3- "AA" size alkaline battery (recommend super lithium battery for weather condition under 0°C) |

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 unit.
- Increase the separation between the equipment.
- 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)503-6398883

Name and model number of the product: Cable Free Weather Station WMR112A

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.

CUSTOMER ASSISTANCE

Should you require assistance regarding this product and its operation, please contact our customer care department at 800-853-8883 or via email at helpme@oscientific.com.

WARRANTY

This product is warranted to be free of manufacturing defects for a period of 90 days from date of retail purchase. Defective product should be directed to the place of retail purchase for exchange.

Should this not be possible, contact our customer care department for assistance and a return material authorization. No returns may be made without a return authorization. Please retain your retail receipt as you may be asked to provide a copy of it for proof of date purchased.

This warranty does not cover product subjected to abuse, misuse, accidental damage or tampering.