Professional Weather Center
Model: WMR200 / WMR200A
USER MANUAL

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INTRODUCTION
Thank you for selecting the Oregon Scientific™ Professional Weather Center
(WMR200 / WMR200A).

The base station is compatible with other sensors. To purchase additional sensors,
please contact your local retailer.

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 about.

PACKAGING CONTENTS
BASE STATION

<table>
<thead>
<tr>
<th>Base Station, LCD Display View</th>
<th>1 x 6V Adapter</th>
<th>1 x USB Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x Temperature / Humidity Sensor</td>
<td>4 x AA UM-3 1.5V batteries</td>
<td></td>
</tr>
</tbody>
</table>

WIND SENSOR / TEMPERATURE & HUMIDITY SENSOR

| Wind Sensor (1 x Wind Vane Above and 1 x Anemometer Below) | 1 x Aluminum-pole |
|________________________________________________________|________________ |
| 1 x Temperature / Humidity Sensor casings |
| 1 x Sensor Connector |

SOLAR PANEL

<table>
<thead>
<tr>
<th>Solar Panel</th>
<th>1 x Solar panel connector</th>
</tr>
</thead>
</table>

RAIN GAUGE

<table>
<thead>
<tr>
<th>Rain Gauge</th>
</tr>
</thead>
</table>

1 x Rain Collector | 4 x Screws (Type C) |
2 x UM-3 / AA | 6 Washers |

ASSEMBLY PARTS

1 x Vertical Attachment Bracket
1 x Cone-Shaped End
1 x Horizontal Attachment Bracket
1 x Bottom Pole
1 x Mid Pole
1 x Top Pole
2 x Round U-bolts
2 x Rectangular Base Legs
3 x Eye pins
1 x Versatile Base (Wall or Ground Fixable)
4 x screws (Type A)

ACCESSORIES - SENSORS

This product can work with up to 10 sensors at any one time to capture outdoor temperature, relative humidity or UV readings in various locations.

Optional wireless remote sensors such as those listed below can be purchased separately. For more information, please contact your local retailer.*

- Thermo-hygro THGR800 (3-Ch)
- Thermo-hygro THGR810 (10-Ch)
- UV UVN800

* Features and accessories will not be available in all countries.

OVERVIEW

FRONT VIEW

1. MEM: View current, maximum and minimum readings
2. CH: Toggle between 10 different channels
3. AL: Set and view status of Clock and HI / LO alarms
4. SET: Enter setting modes
5. Antenna
6. UP / DWN: Increase / decrease the values of the selected readings
7. AL ON/OFF: Turn alarms on and off
8. UNIT: Change display units

BACK VIEW

1. USB socket
2. Backlight (continuous) On/Off
3. Battery compartment
4. AC / DC socket
5. Wall mount holes / Adjustable table stand
6. RESET: Reset unit to default settings
7. EU/UK slide switch (WMR200 only)

LCD DISPLAY

1. Indicates a successful USB connection
2. Indicates low battery
3. Indicates no main power supply
4. Barometer area
5. Rainfall area
6. UV area
7. Clock / alarm / moon phase area
8. Weather forecast area
9. Outdoor temperature and humidity area
10. Wind area
11. Bar chart area
12. Indoor temperature / humidity area

DETAILED LCD DISPLAY VIEW

BAROMETER

1. Altitude indicator
2. Altitude / pressure reading
3. Current (current) to ~ 24 hours barometer record
4. Indicates pressure alarm is ON
5. User selectable altitude / pressure measurement unit
RAINFALL

1. 0 (current) to – 24 hours rainfall record
2. Accumulated total rainfall (refer to SINCE date stamp in clock area for further details)
3. Rain rate indicator
4. Rain reading
5. Sensor batteries low
6. Indicates high rainfall alarm is ON
7. Shows accumulated rainfall of past 24 hours
8. Rainfall unit

INDOOR TEMPERATURE AND HUMIDITY

1. Indicates HI / LO temperature alarms are ON
2. MAX / MIN temperatures
3. Heat index
4. Indoor temperature reading
5. Temperature trend indicators
6. Dew point temperature
7. MAX / MIN indoor humidity
8. Indicates HI / LO humidity alarms are ON
9. Humidity trend indicators
10. User selectable temperature units

UV

1. 0 (current) to – 10 hours UV record
2. UV level index
3. Sensor batteries low
4. Indicates high UV alarm is ON
5. UVI reading

CLOCK / MOON PHASE

1. Displays time of records, time stamp for Indoor / Outdoor temperature / humidity sensors and initial date set (Since date) for rainfall.
2. Radio controlled clock
3. Indicates daily alarm is ON
4. Displays Clock with seconds, Clock with day, Calendar, Data logger
5. Data Logger displaying remaining number of days memory will allow for data collection
6. Set Data Logging frequency (refer to Memory section)
7. Moon phase display
8. Offset time zone

OUTDOOR TEMPERATURE / HUMIDITY

1. Indicates HI / LO outdoor temperature alarms are ON
2. MAX / MIN temperatures (refer to date stamp on clock area for more details)
3. Sensor batteries low
4. Displays from 1-10 outdoor sensors
5. Heat index
6. Outdoor Temperature readings
7. Temperature trend indicators
8. Dew point temperature
9. MAX / MIN humidity
10. User selectable temperature units

WIND SPEED / DIRECTION / WIND CHILL

1. User selectable measured winds: Gust / Average; Displays MAX wind speeds recorded
2. Indicates HI alarm is ON
3. Sensor batteries low
4. Wind direction indicator
5. User selectable wind speed units
6. Wind speed level indicator
7. Wind chill temperature display
8. Indicates LO windchill alarm is ON
9. Windchill reading

BAR CHART

1. Bar chart icon area
2. Barometer bar chart display
3. Rainfall bar chart display
4. UV bar chart display
5. Measurement axis
GETTING STARTED

SET UP REMOTE WIND SENSOR

The wind sensor takes wind speed and direction readings.

The sensor is battery and solar powered operated. It is capable of transmitting data to the base station wirelessly within an approximate operating range of 100 meters (328 feet).

**IMPORTANT** Ensure that the wind sensor is pointing North to enable it to record accurate readings.

**NOTE** The sensor should be positioned in an open area away from trees or other obstructions.

To insert batteries:

1. Unscrew the anemometer from the wind sensor carefully.
2. Insert batteries matching the polarities (+ / -) and replace the anemometer. Press **RESET** after each battery change.
3. Slide wind vane onto the end of the plastic attachment located on the aluminium pole.

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

SET UP REMOTE TEMPERATURE / HUMIDITY SENSOR

1. Holding sensor, twist and click to the left.
2. Pull sensor away from casing.
3. Insert batteries matching the polarities (+ / -). Press **RESET** after each battery change.
4. Insert sensor into the casing, twist and click to the right to secure.
5. Slide temperature and humidity sensor onto the smaller end of the sensor connector.
1. Insert the cone-shaped end into the pole.
2. Using 2 screws, fix it firmly into place.
3. Insert the versatile plastic base into the pole. Align the holes of the pole with the holes of the plastic base.
4. Secure the plastic base by inserting the screw and screwing it tightly into the holes of the plastic base and pole.

**IMPORTANT** The sensor should be positioned in an open area away from trees or other obstructions.

5. Hammer pole (cone end down) into the ground at the desired spot until versatile plastic base is level with the ground.

**TIP** Place a block of wood between the pole and the hammer to prevent damage to the pole.

6. Assemble middle pole on top of the bottom one.
7. Using two screws, fix it firmly into place.
8. Assemble top pole on top of the middle one.
9. Using two screws, fix it firmly into place.

10. Slide the vertical attachment bracket on top of the top pole.
11. Using two screws, fix it firmly into place.

**To mount the temperature / humidity sensor:**

12. Slide outdoor sensor onto vertical attachment bracket.

**To mount the wind sensor:**

13. Slide the solar panel connector into place on the opposite side of the bracket. Slot the solar panel in place.
14. Adjust the solar panel. Once facing desired direction, use screw to fix in place.
15. Loosen the wing bolt and adjust the angle. Tighten wing bolt to secure solar panel at desired angle.

**NOTE** For best results, direct solar panel as follows:

<table>
<thead>
<tr>
<th>Solar panel facing:</th>
<th>If you reside in the:</th>
</tr>
</thead>
<tbody>
<tr>
<td>North</td>
<td>Southern Hemisphere</td>
</tr>
<tr>
<td>South</td>
<td>Northern Hemisphere</td>
</tr>
</tbody>
</table>

16. Insert the wind vane into the attachment bracket.
17. Screw aluminum pole firmly into place.

**IMPORTANT** For best results, point the wind vane North.

18. Remove outdoor sensor from casing. Plug one solar panel cable into the socket.
19. Replace sensor into the casing.
20. Plug the other solar panel cable into the socket on the wind vane.

This will provide the sensors with an additional power supply.

**NOTE** There are slots to insert the solar power cables for convenient storage. There are also fasteners to help tighten the cables.

**NOTE** The solar panel is an energy saving feature, which is an environmentally friendly way to provide additional power to the sensors and prolongs battery life. However, it cannot replace battery power entirely. Sensors can operate entirely on battery power.

**Securing the assembled remote unit:**

21. Insert the 2 rectangular base legs through the holes of the versatile base and hammer down.
22. Using the string, tie a knot on the eye pins. Hammer each eye pin into the ground at a 90° angle.

**IMPORTANT**: Using the fasteners, tighten the string. To tighten, pull fastener down. To loosen, thread the string up through the fastener eyelets.

**ALTERNATIVE SET UP: REMOTE WIND SENSOR ON EXISTING POLE**

1. Secure the plastic base onto existing pole with U-bolts, washers and bolts.
2. Insert the horizontal attachment bracket into the base.
3. Using a screw, fix firmly into place.
4. Insert wind sensor into the top of the bracket.
5. Using screws, fix aluminum pole firmly into place.

**IMPORTANT**: For best results, point the wind vane North.

**SET UP 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 base station.

The base station and rain gauge should be positioned within an effective range: about 100 meters (328 Feet) in an open area.

The rain gauge should be mounted horizontally about 1 meter (3 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 the 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 fibre tape.

**NOTE**: For best results, direct solar panel as follows:

<table>
<thead>
<tr>
<th>Solar panel facing</th>
<th>If you reside in the:</th>
</tr>
</thead>
<tbody>
<tr>
<td>North</td>
<td>Southern Hemisphere</td>
</tr>
<tr>
<td>South</td>
<td>Northern Hemisphere</td>
</tr>
</tbody>
</table>

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.

NOTE For best results, ensure the base is horizontal to allow maximum drainage of any collected rain.

GETTING STARTED

SET UP BASE STATION

NOTE Install batteries matching the polarities (+ / -) in the remote sensor before installing the base station.

For continuous use, install the AC adapter. The batteries are for back-up use only.

NOTE Make sure the adapter is not obstructed and is easily accessible to the unit.

NOTE The base station and adapter should not be exposed to wet conditions. No objects filled with liquid, such as vases, should be placed on the base station and adapter.

INSERT BATTERIES

1. Remove the battery compartment.
2. Insert the batteries, matching the polarities (+ / -).
3. Press and hold CH and MEM.

NOTE Do not use rechargeable batteries. It is recommended that you use alkaline batteries with this product for longer performance.

NOTE Batteries should not be exposed to excessive heat such as sunshine or fire.

LOCATION MEANING

| Weather forecast area | Base station batteries low |
| Rainfall / UV / Wind / Outdoor temperature / humidity area | Sensor batteries low |

SENSOR DATA TRANSMISSION

To search for a sensor:
1. Select desired area to activate.
2. Press and hold CH and MEM.
3. Icons will flash for 5 minutes.

NOTE Unit will search only for already registered sensors or new sensors reset within last 30 minutes. To register a new sensor, reset sensor prior to search.

The sensor reception icon in the remote sensor area shows the status:

<table>
<thead>
<tr>
<th>ICON</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Base station is searching for sensor(s)" /></td>
<td>Base station is searching for sensor(s)</td>
</tr>
<tr>
<td><img src="image" alt="A channel has been found" /></td>
<td>A channel has been found</td>
</tr>
<tr>
<td><img src="image" alt="Sensor 1 data received" /></td>
<td>Sensor 1 data received</td>
</tr>
<tr>
<td><img src="image" alt="The sensor cannot be found." /></td>
<td>The sensor cannot be found.</td>
</tr>
</tbody>
</table>

TIP The transmission range may vary depending on many factors. You may need to experiment with various locations to get the best results.

CLOCK

CLOCK RECEPTION

This product is designed to synchronize its clock automatically with a clock signal.

WMR200:
Slide switch to EU / UK to select the desired signal.
- EU: DCF-77 signal: within 1500 km (932 miles) of Frankfurt, Germany.
- UK: MSF-60 signal: within 1500 km (932 miles) of Anthorn, England.

WMR200A:
WWVB-60 signal: within 3200 km (2000 miles) of Fort Collins Colorado. Manually set clock to select time zone (Pacific, Mountain, Central or Eastern).

indicates the status of the clock reception signal.

<table>
<thead>
<tr>
<th>ICON</th>
<th>MEANING</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Time is synchronized" /></td>
<td>Time is synchronized</td>
</tr>
<tr>
<td><img src="image" alt="Receiving signal is strong" /></td>
<td>Receiving signal is strong</td>
</tr>
<tr>
<td><img src="image" alt="Time is not synchronized" /></td>
<td>Time is not synchronized</td>
</tr>
<tr>
<td><img src="image" alt="Receiving signal is weak" /></td>
<td>Receiving signal is weak</td>
</tr>
</tbody>
</table>

NOTE Reception takes 2-10 minutes. If the signal is weak, it can take up to 24 hours to get a valid signal.

To enable / disable signal reception:

Press and hold clock area to enable / disable signal reception. A beep will sound to confirm action.

NOTE For best reception, the base station should be placed on a flat, non-metallic surface near a window in an upper floor of your home. The antenna should be placed away from electrical appliances and not be moved around when searching for a signal.

MANUALLY SET CLOCK

1. Press clock area to activate.
2. Press SET to toggle between time zone offset, 12/24 hr format, hour, minute, year, day / month, month, day, time zone.
3. Once in desired setting, press UP or DWN to change the settings.
4. Press:
   - SET to confirm and continue to next setting OR
   - touch panel area (except tool bar) to confirm and exit.

WMR200: Time zone offset sets the clock +/- 23 hours from the received clock signal time.

WMR200A: Select the time zone: (PA) Pacific, (EA) Eastern, (CE) Central or (MO) Mountain.

NOTE The language options are English (E), German (D), French (F), Italian (I), and Spanish (S).
To select clock display mode:

Press clock area repeatedly to toggle between:
• Clock with seconds
• Clock with weekday
• Date with year
• Data logger (please refer to Memory / Data logger section)

PRESSURE

To toggle barometer unit:
1. Press barometer area to toggle between Altitude / current barometer.
2. Press UNIT to select FEET / M or inHg / mmHg / mb / hPA.

SET ALTITUDE

Set the altitude to reflect distance from sea level at your position.
1. Press barometer area to display ALT.
2. Press SET / DWN to set the altitude in 10 m (33 ft) increments from -100 m (-328 ft) to 2500 m (8202 ft).
3. Press SET or touch panel area (except tool bar / forecast area) to confirm.

RAINFALL

To select rainfall display mode:
Press rain area to toggle between:
• Rain rate
• Hourly Rainfall
• Accumulated rainfall
• Rainfall recorded in the past 24 hours
Press UNIT to select mm / in.

ACCUMULATED RAINFALL

To display SINCE DATE:
1. Press rain area repeatedly until Accumulated Rainfall is displayed. (Clock area will display the start date / time of rainfall recording).
To reset SINCE DATE:
Press and hold MEM to set current time as start of accumulated rainfall records.

UV

The UV index levels are as follows:

<table>
<thead>
<tr>
<th>UV INDEX</th>
<th>DANGER LEVEL</th>
<th>ICON</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2</td>
<td>Low</td>
<td>LOW</td>
</tr>
<tr>
<td>3-5</td>
<td>Moderate</td>
<td>MED</td>
</tr>
<tr>
<td>6-7</td>
<td>High</td>
<td>HI</td>
</tr>
<tr>
<td>8-10</td>
<td>Very high</td>
<td>V.HI</td>
</tr>
<tr>
<td>11 and above</td>
<td>Extremely high</td>
<td>EX.HI</td>
</tr>
</tbody>
</table>

WEATHER FORECAST

This product forecasts the next 12 to 24 hours of weather within a 30-50 km (19-31 mile) radius (US- with a 75% accuracy).

TEMPERATURE AND HUMIDITY

To toggle temperature unit:
1. Press Indoor / Outdoor Temperature / Humidity area.
2. Press UNIT to select °C / °F.

To auto-scan between sensors (Outdoor):
1. Press Outdoor Temperature / Humidity area.
2. Press and hold CH to display data for each sensor.

AUTO SCANNING FUNCTION

To activate the outdoor temperature and humidity auto-scan function:
1. Press and hold CH to activate auto-scan. The temperature and humidity display will scroll from indoor to ch1 through to ch10.
2. Press CH / MEM to stop the auto-scan.

NOTE: Channel 1 is used for the outdoor temperature and humidity sensor provided in this package. Additional temperature and humidity sensors can use other channels. To change channel: Press CH to change channel.

TEMPERATURE AND HUMIDITY TRENDS

The temperature and humidity trend icons are based on recent sensor readings.

The trend lines are shown next to the temperature and humidity readings. The trend is shown as follows:

<table>
<thead>
<tr>
<th>RISING</th>
<th>STEADY</th>
<th>FALLING</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

HEAT INDEX

Press Indoor / Outdoor Temperature / Humidity area to display the actual temperature felt:

<table>
<thead>
<tr>
<th>TEMPERATURE RANGE</th>
<th>WARNING</th>
<th>MEANING</th>
</tr>
</thead>
<tbody>
<tr>
<td>27°C to 32°C (80°F to 89°F)</td>
<td>Caution</td>
<td>Possibility of heat exhaustion</td>
</tr>
<tr>
<td>32°C to 40°C (90°F to 104°F)</td>
<td>Extreme Caution</td>
<td>Possibility of heat dehydration</td>
</tr>
<tr>
<td>41°C to 54°C (105°F to 129°F)</td>
<td>Danger</td>
<td>Heat exhaustion likely</td>
</tr>
<tr>
<td>54°C to 92°C (130°F to 151°F)</td>
<td>Extreme danger</td>
<td>Strong risk of dehydration / sun stroke</td>
</tr>
</tbody>
</table>

NOTE: Heat index is only calculated when temperature is 80° F / 27°C or above.

WIND

To select wind display mode:
Press wind area to toggle between:
• Gust
• Average
Press UNIT to select unit: knots / kph / mph / m/s.

The wind level is shown by a series of icons:

MOON PHASE

1. Press clock area to activate.
2. Press SET repeatedly to display Year / Calendar date.
3. Press UP / DWN to view moon phase for specific dates.

<table>
<thead>
<tr>
<th>Lost sensor</th>
<th>Light</th>
<th>Moderate</th>
<th>Strong</th>
<th>Storm</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-8 mph (3-13 km/h)</td>
<td>9-25 mph (14-41 km/h)</td>
<td>26-54 mph (42-87 km/h)</td>
<td>&gt;55 mph (&gt;88 km/h)</td>
<td></td>
</tr>
</tbody>
</table>

NEW MOON | FULL MOON | WAXING CRESCENT | WAXING GIBBOUS | FIRST QUARTER | LAST QUARTER
BAR CHART

To select chart display mode:

Press bar chart area to toggle between these chart displays:
- Barometer
- Rain
- UV
- Temperature
- Humidity
- Clock
- Wind

ALARM

Weather alarms are used to alert you of certain weather conditions. Once activated, the alarm will turn off when a certain criterion is met.

<table>
<thead>
<tr>
<th>Area</th>
<th>Type of alarm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barometer</td>
<td>Barometer</td>
</tr>
<tr>
<td>Rain</td>
<td>Rain rate</td>
</tr>
<tr>
<td>UV</td>
<td>UV</td>
</tr>
<tr>
<td>Temperature</td>
<td>Current Temperature</td>
</tr>
<tr>
<td></td>
<td>Heat Index</td>
</tr>
<tr>
<td>Humidity</td>
<td>Current Humidity</td>
</tr>
<tr>
<td></td>
<td>Dew Point</td>
</tr>
<tr>
<td>Clock</td>
<td>Daily Alarm</td>
</tr>
<tr>
<td>Wind</td>
<td>Gust Wind Speed</td>
</tr>
<tr>
<td></td>
<td>Low Wind Chill</td>
</tr>
</tbody>
</table>

To set the alarm:
1. Press desired area to activate.
2. Press and hold AL.
3. Press UP / DWN to set the desired values.
4. Press AL to confirm.

To enable / disable alarms:
1. Press desired area to activate.
2. Press and hold AL.
3. Press UP / DWN to turn alarm on / off.

To silence any alarm:
Press anywhere on the screen.

NOTE: Clock alarm sound is different from weather alarms to allow for easy differentiation by user.

To view remaining days for records:
Press clock area until DATA LOGGER mode is displayed.

NOTE: When DATA LOGGER is full, i.e., no more records can be stored on unit, ‘DATA LOGGER’ and ‘O Days’ will flash.

MEMORY

MAX / MIN RECORDS

<table>
<thead>
<tr>
<th>Area</th>
<th>Type of Memory</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature</td>
<td>Current Temperature</td>
</tr>
<tr>
<td></td>
<td>Heat Index</td>
</tr>
<tr>
<td>Humidity</td>
<td>Current Humidity</td>
</tr>
<tr>
<td></td>
<td>Dew Point</td>
</tr>
<tr>
<td>Wind</td>
<td>Gust Wind Speed</td>
</tr>
<tr>
<td></td>
<td>Wind Chill</td>
</tr>
</tbody>
</table>

To view MAX / MIN records:
1. Press desired area to activate.
2. Press MEM to toggle between MIN / MAX recorded values.

To clear individual area records:
1. Press desired area to activate.
2. Press and hold MEM.
3. Delete process is complete when display shows current reading.

HOURLY RECORDS

<table>
<thead>
<tr>
<th>Display</th>
<th>Hourly readings of up to</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barometer</td>
<td>24 hours back</td>
</tr>
<tr>
<td>Hourly Rainfall</td>
<td>24 hours back</td>
</tr>
<tr>
<td>UV</td>
<td>10 hours back</td>
</tr>
</tbody>
</table>

To view hourly records:
1. Press desired area to activate.
2. Press UP / DWN to view current (0) / hourly reading.

When MAX / MIN reading is displayed, the corresponding timestamp will be displayed in the clock area.

DATA LOGGER

To set DATA LOGGER:
1. Press clock area until DATA LOGGER mode is displayed.
2. Press SET.
3. Press UP / DWN to select frequency of data recording (1 / 2 / 5 / 10 / 15).
4. Press SET.
5. The number of days memory will allow for records will be displayed.

Frequency in minutes | No. of days available for data logging with Memory available
---|---
1 | 29
2 | 58
5 | 145
10 | 291
15 | 436

* based only on all provided sensors in this package being used, and after all memory has been cleared.

To allow for continuous update of data, ensure Sleep Mode on computer is disabled.

PC system requirements

The minimum system requirements for use of the software is:
- Operating system: Microsoft Windows XP SP2 or Vista
- Processor: Pentium 4 or above
- RAM: Min. 512 MB
- Hard disk free space: Min. 512 MB
- Screen Display Area: 1024 x 768 pixels (recommended)

To install software:
1. Run CD software provided.
2. Setup wizard dialogue box will appear and guide you through the installation process.
3. After successful installation, double click on desktop shortcut.
4. Click DISPLAY in Oregon Weather Station dialogue box.

WINDOWS XP

To disable User Access Control (UAC):
1. From the desktop, My Computer > Control Panel > User Accounts and Family Safety > Change your Windows password > Turn User Account Control On or Off.
2. Deselect the UAC option by un-ticking.
3. Follow steps 1-4 from above section.

DISABLE SLEEP MODE

To allow for continuous update of data, ensure Sleep Mode on computer is disabled.

To DISABLE SLEEP MODE ON COMPUTER (WINDOWS XP)

1. Right click on Desktop.
2. Choose “Properties”.
3. Click on “Screen Saver” Tab in the Display Properties window.
4. Click on “Power” located at the bottom half of window.
5. A new window “Power Options Properties” will open.
6. Under “System standby” option, choose “Never” in drop down menu.
7. Click “Apply” and then click “OK”.
8. Previous window will return. Click “OK” to confirm and exit.
TO DISABLE SLEEP MODE ON COMPUTER (WINDOWS VISTA)

1. Right click on Desktop.
2. Choose “Personalize”.
3. Click on “Screen Saver” Tab in the Display Properties window.
4. Click on “Change Power Settings” located at the bottom half of window.
5. Select “High Performance” and click “Change plan settings”.
6. Click “Change advanced power settings”.
7. Click “Sleep” and click “Hibernate after”.
8. Click “Setting” and set “0” minutes.
9. Click “Apply” and then “OK”.

CONNECTION TO PC

To upload the weather data to the computer:
Plug one end of the USB cable into the USB port and the other end into the computer.

To clear records:
1. Press clock area until DATA LOGGER is displayed.
2. Press and hold MEM.
3. All LED icons will light up and turn off consecutively (right to left). Delete process is complete and successful after blinking of last icon.

RESET

Press RESET to return to the default settings.

TROUBLE SHOOTING

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>SYMPTOM</th>
<th>REMEDY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barometer</td>
<td>Strange readings</td>
<td>Set unit</td>
</tr>
<tr>
<td>Calendar</td>
<td>Strange date / month</td>
<td>Change language</td>
</tr>
<tr>
<td>Clock</td>
<td>Cannot adjust clock</td>
<td>Disable radio-controlled clock</td>
</tr>
<tr>
<td>Temp</td>
<td>Shows “LL” or “HH”</td>
<td>Temperature is out-of-range</td>
</tr>
</tbody>
</table>
| Remote sensor           | Cannot locate remote sensor | 1. Check batteries
|                         |                 | 2. Check if sensors are within range |

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.
- 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

BASE STATION
Dimensions (L x W x H) 149 x 76 x 214 mm (5.9 x 3.0 x 8.4 inches)
Weight 510 g (18 oz) without battery

INDOOR BAROMETER
Barometer unit mb/hPa, inHg and mmHg
Measuring range 700 – 1050 mb/hPa
Accuracy +/- 1 mb/hPa
Resolution 1mb (0.0 inHg)
Altitude setting Sea level
User setting for compensation
Weather display Sunny, Clear night, Partly Cloudy, Cloudy, Cloudy at night, Rainy and Snowy
Memory Historical data and bar chart for last 24hrs

INDOOR TEMPERATURE
Temp. unit °C / °F
Displayed range 0°C to 50°C (32°F to 122°F)
Operating range -30°C to 80°C (-4°F to 140°F)
Accuracy 0°C - 40°C: +/- 1°C (+/- 2.0°F)
40°C - 50°C: +/- 2°C (+/- 3.6°F)
Comfort 20°C to 25°C (68°F to 77°F)
Memory Current, Min and Max temp.
Alarm Hi / Lo

INDOOR RELATIVE HUMIDITY
Displayed range 2% to 98%
Operating range 25% to 90%
Resolution 1%
Accuracy 25% - 40%: +/- 7%
40% - 80%: +/- 5%
80% - 90%: +/- 7%
Comfort 40% to 70%
Memory Current, Min and Max
Alarm Hi / Lo

REMOTE WIND SENSOR UNIT
Dimensions (L x W x H) 178 x 76 x 214 mm (7 x 3 x 8.4 inches)
Weight 100 g (3.53 oz) without battery
Wind speed unit m/s, kph, mph, knots
Speed accuracy 2 m/s ~ 10 m/s (+/- 3 m/s)
Temperature of Approx. every 14 seconds
Transmission of Internal wind speed signal
Memory Max speed gust
Battery 2 x UM-3 (AA) 1.5V batteries

REMOTE WIND SENSOR UNIT
Dimensions (L x W x H) 149 x 198 x 47 mm (5.9 x 7.8 x 1.9 inches)
Weight 510 g (18 oz) without battery

OUTDOOR TEMPERATURE / HUMIDITY UNIT

- RELATIVE TEMPERATURE
Dimensions (L x W x H) 115 x 87 x 118 mm
Weight 130 g (4.59 oz) without battery
Temp. unit °C / °F
Displayed range -50°C to 70°C (-58°F to 158°F)
Operating range -30°C to 60°C (-4°F to 140°F)
Accuracy -20°C – 0°C: +/- 2°C (+/- 4.0°F)
0°C - 40°C: +/- 1°C (+/- 2.0°F)
40°C - 50°C: +/- 2°C (+/- 3.6°F)
Comfort 20°C to 25°C (68°F to 77°F)
Memory Current, Min and Max temp.
Wind chill temp. and min

- RELATIVE HUMIDITY
Displayed range 2% to 98%
Operating range 25% to 90%
Resolution 1%
Accuracy 25% - 40%: +/- 7%
40% - 80%: +/- 5%
80% - 90%: +/- 7%
Comfort 40% to 70%
Memory Current, Min and Max
Battery 2 x UM-4 (AAA) 1.5V batteries

RF TRANSMISSION
RF frequency 433MHz
Range Up to 100 meters (328 feet) with no obstructions
Transmission Approx. every 60 seconds
No. of Channel 1 for Wind/ Rain/ UV and 10 for Temp. / Humidity

REMOTE RAIN GAUGE
Dimensions 114 x 114 x 145 mm
(L x W x H) (4.5 x 4.5 x 5.7 inches)
Weight 241g (8.50 oz) without battery
Range 0 mm/hr – 9999 mm/hr
Accuracy < 15 mm/hr: +/- 1 mm
15 mm to 9999 mm: +/- 7%
Memory Past 24hrs, hourly and accumulated from last memory reset
Battery 2 x UM-3 (AA) 1.5V

ABOUT OREGON SCIENTIFIC
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.asp
For international inquiries, please visit: www2.oregonscientific.com/about/international.asp

EU-DECLARATION OF CONFORMITY
Hereby, Oregon Scientific, declares that this Professional Weather Center (Models: WMR200 / WMR200A) 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.

COUNTRIES RTTE APPROVAL COMPLIED
All EU countries, Switzerland (CH) and Norway (N)

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 visit our website at www2.oregonscientific.com/service for all enquiries.