Oregon
S C I E N T I F I C

QUICK START GUIDE
WMR200/WMR200A PROFESSIONAL WEATHER STATION

A UNPACK

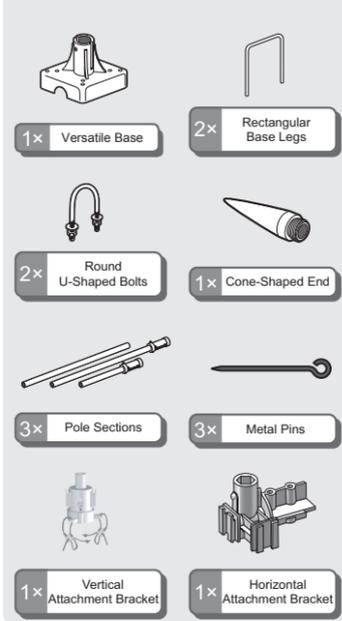Make sure that you have all of the parts shown here before the installation of the Professional Weather Center.
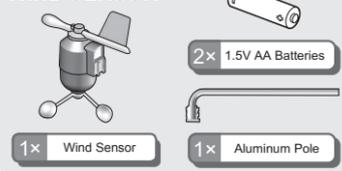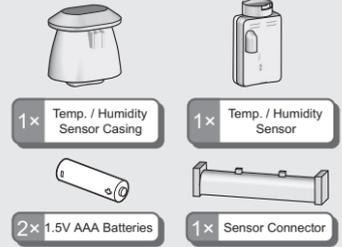
BASE STATION

1× WMR200/ WMR200A Base	1× 6V Adapter		
1× USB Cable	4× 1.5V AA Batteries		

RAIN GAUGE

1× Rain Collector	2× 1.5V AA Batteries
1× Filter	4× Screws (Type C)
	6× Washers

POLE MOUNT / ASSEMBLY PARTS

1× Versatile Base	2× Rectangular Base Legs
2× Round U-Shaped Bolts	1× Cone-Shaped End
3× Pole Sections	3× Metal Pins
1× Vertical Attachment Bracket	1× Horizontal Attachment Bracket

WIND SENSOR

1× Wind Sensor	2× 1.5V AA Batteries
	1× Aluminum Pole

TEMPERATURE AND HUMIDITY SENSOR

1× Temp. / Humidity Sensor Casing	1× Temp. / Humidity Sensor
2× 1.5V AAA Batteries	1× Sensor Connector

SOLAR PANEL

|	
1× Solar Panel Connector	1× Solar Panel

B SET-UP SENSORS
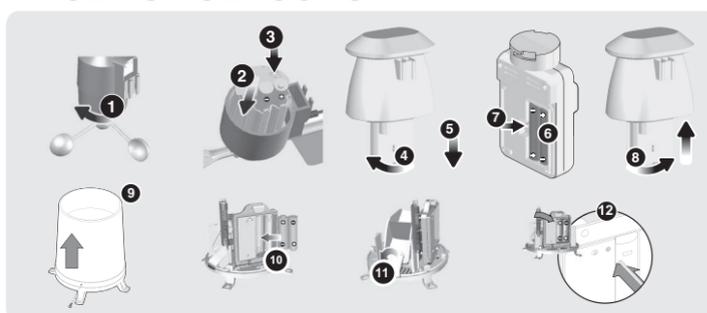
1. Unscrew the anemometer part of the wind sensor.
2. Slide the battery cover off and insert two AA batteries matching the polarities (+/-).
3. Press the **RESET** button.
4. While holding the sun shield, turn the sensor counter clockwise.
5. Pull down the sensor.
6. Slide the battery cover off and insert two AAA batteries matching the polarities (+/-).
7. Press the **RESET** button.
8. Insert sensor back into heat shield, turn clockwise to secure.
9. Remove the two base screws located on the bottom rim of the rain gauge and slide the hood cover off to expose the battery compartment.
10. Locate the battery compartment and open the battery door and install two AA batteries.
11. Remove the packing tape from the tipping funnel.
12. Press the **RESET** button.

C SET-UP BASE STATION

1. Install 4 AA batteries located at the bottom of the base station.
2. Install power plug into the base station and insert the AV adapter into the wall outlet.
3. Press the **RESET** button.

D VERIFY CONNECTION
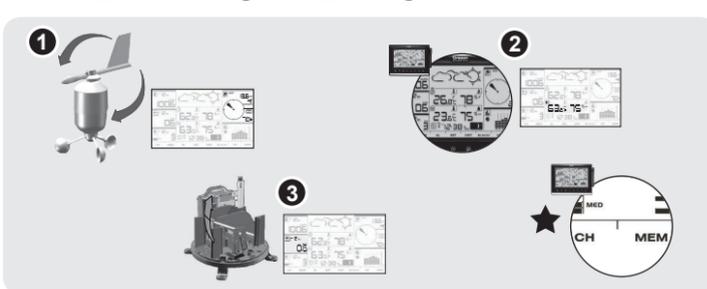
Before proceeding to install sensors outside, please verify communication to the base station.

1. Wind Sensor
   i. Wind speed: Gently rotate the wind vane and confirm a numerical reading on the base station, e.g.,
   ii. Wind direction indicator: Move the direction of the wind indicator and verify the icon moves in the same direction.

2. Temperature / Humidity Sensor
   i. Verify a numerical reading in Channel 1 of LCD display.

3. Rain Gauge
   i. Tilt the tipping funnel on the rain gauge several times and verify a numerical reading on the base station.
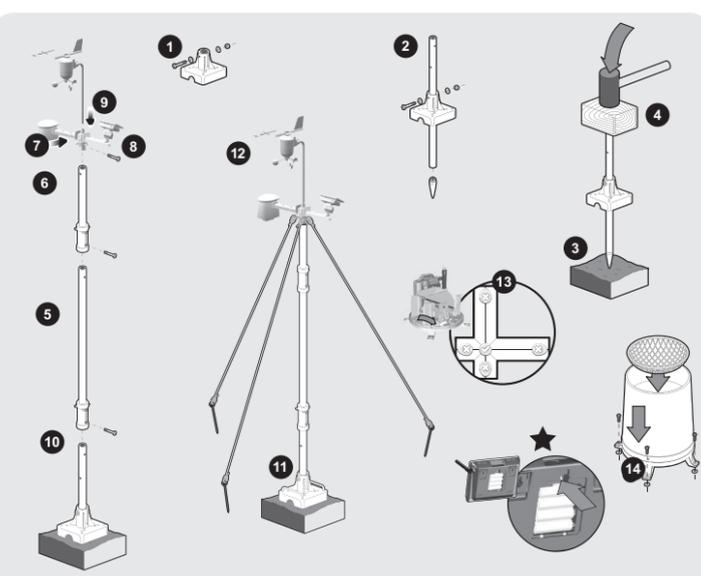
★ If no reading is displayed for a sensor, press and hold **CH** and **MEM** on the LCD screen of the base station to initiate a wireless sensor search.

G TO UPLOAD RECORDS ONTO PC
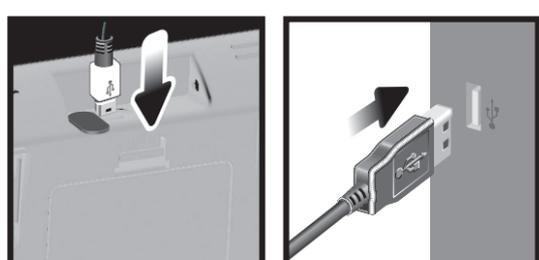
1. Plug USB Cable into the USB port of the base station and your computer.

E SET-UP POLE

Option 1 – with mounting pole

1. Screw off the included nut and bolt from the versatile base.
2. Insert the bottom pole until the middle screw holes align with the versatile base. Re-insert the nut and bolt and fasten. Remove screws from "cone shape" end and insert end into the base of bottom pole. Re-insert screws and fasten.
3. Use the guiding end to start inserting bottom pole at a perpendicular angle into the ground.
4. Place a wooden block on the top of the bottom pole. With a hammer, hit the wooden block to hammer the guiding end into the ground until the versatile base reaches the base of the ground.
5. Attach the bottom pole with the middle pole and top pole.
6. Slide vertical attachment bracket onto the top pole. Re-insert screws and fasten.
7. Slide sensor connector onto one side of the vertical attachment bracket. Attach outdoor sensor to connector.
8. Slide the solar panel connector onto the other side of the bracket. Attach solar panel and adjust.
9. Insert aluminium pole with wind vane until screw holes align with attachment bracket and screw to secure. Plug solar panel cables into outdoor sensor and wind vane.
10. Insert two rectangular base legs into the versatile base to firmly fix the pole to the ground.
11. For better stability, attach the tension strings to the pins and drive the three pins into the ground.
12. Rotate the North indicator reference line to the North and align the wind indicator in the same direction.

Rain gauge:

13. Place the rain gauge on a level surface and place a few drops of water to check the horizontal level. You can adjust the level when securing the rain gauge on the level screws by using the mounting screws.
14. Slide the hood cover on and secure with 2 base screws located on the bottom rim of the rain gauge.

★ Press **RESET** button on base station to erase all testing data.
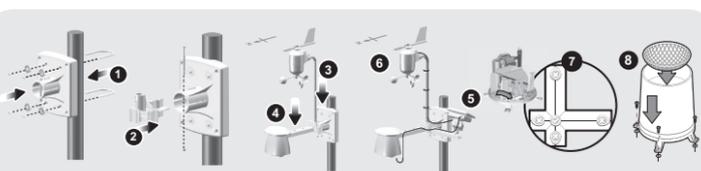
Option 2 – with side mounting kit on an existing pole

1. Using the two U-bolts, secure the versatile base on the existing pole with the four washers and bolts.
2. Screw off the included nut and bolt from the versatile base. Insert the horizontal attachment bracket into the versatile base. Re-insert the nut and bolt and fasten.
3. Insert aluminium pole into horizontal attachment bracket. Align screw holes and screw to secure. Slide wind sensor onto aluminium pole.
4. Slide sensor connector onto the front of the vertical attachment bracket. Attach outdoor sensor to connector.
5. Slide the solar panel connector onto the side of the bracket. Attach solar panel and adjust. Plug solar panel cables into outdoor sensor and wind vane.
6. Rotate the North indicator reference line to the North and align the wind indicator in the same direction.

Rain gauge:

7. Place the rain gauge on a level surface and place a few drops of water to check the horizontal level. You can adjust the level when securing the rain gauge on the level screws by using the mounting screws.
8. Slide the hood cover on and secure with 2 base screws located on the bottom rim of the rain gauge.

★ Press **RESET** button on base station to erase all testing data.

F INSTALLING THE PC SOFTWARE FOR THE FIRST TIME

Additional Step for Windows Vista users ONLY:

** For Windows XP users, please go straight to **Install Software** section.*

IMPORTANT You must follow the below instructions **before** installing software.

Determine status of UAC (User Account Control):

1. Click on Start.
2. In context menu, scroll to **Settings** and select **Control Panel**.
3. Double click the **User Account (and Family Safety)**.
4. Double click on **Change your Windows password**. (If you chose the **Control Panel classic** link from left hand column in step 2, skip this step).
5. In **Turn User Account On or Off** screen, identify if UAC option is enabled / on (ticked) or disabled / off (un-ticked).

IMPORTANT We highly recommend disabling this option for seamless operation of the Weather OS software.

To Turn User Account Off:

6. Deselect the UAC option by un-ticking the box (click once).
7. Click **OK**.
8. In **You must restart your computer** dialogue box, click **Restart now.**

INSTALL SOFTWARE:

1. Insert provided CD into disk drive.
2. Run CD software.
3. **Setup Wizard** dialogue box will appear and guide you through the installation process.

   If you have Windows Vista and User Account Control is ON (ticked):
   i. In **Select Installation Folder** dialogue box, next to **Folder** text box (C:\Program Files\Oregon Scientific\Weather OS), click **Browse**.
   ii. To select a new location to save the program, select **C:\Users\admin**. {Or click **C:** Drive, subfolder **Users**, subfolder **admin**.}
   iii. Click on **(Create New Folder)** icon.
   iv. Type **OS Weather** and click **OK**.
   v. In **User Account Control** dialogue box, click **Allow**.
   vi. Continue with installation process.
4. During installation, **Microsoft Visual C++ Redistributable Setup** dialogue box may appear. Select **Repair** and click **Next**.
5. Once setup has been successfully completed, click **Finish**, then **Close**.

DISABLE SLEEP MODE

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

For detailed instructions, please refer to **Installation Guide**.