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**Electronic Barometer  
Model: BA112  
User Manual**

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## INTRODUCTION

Thank you for purchasing the Oregon Scientific barometer. This barometer has been designed specifically with performance and ease of use in mind. As with all Oregon Scientific products, this barometer is made to the highest quality standards using precision electronic components and should give you many years of trouble free use.

Please read the User Manual carefully before use to ensure you get the best out of your new barometer.

Please note that **the accuracy of the weather forecasting** is about 70~75 percent, when monitoring changes in barometric pressure alone, therefore, we cannot be held responsible for any issues that may **arise due to wrong** forecasting with this unit.

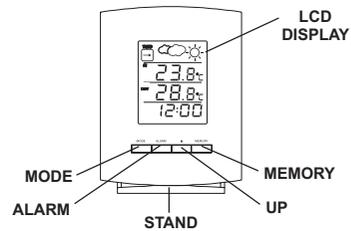
## FEATURES

- LCD digital Barometer displays Rising, Steady or Falling barometric pressure with arrow indicator.
- Weather forecast icons show Sunny, Cloudy, Slightly Cloudy, Rainy or **Stormy**.
- Indoor relative humidity display with Comfort, Wet or Dry indicators.
- Displays indoor or outdoor temperature
- Maximum and minimum temperature memory
- **Built-in 3-meter cable for outdoor measurement.**
- User Selectable °C or °F range.
- Clock display shows the hour and minute: Alternating calendar display, shows the month and date.
- Daily alarm
- User selectable 12/24 hour time format
- Built-in low battery indicator.
- **Wall mount or table stand option**

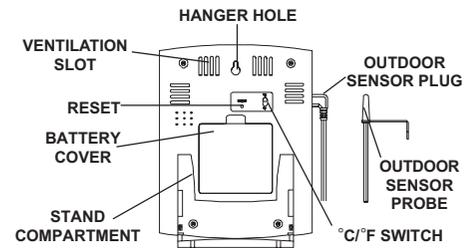


## DESCRIPTION OF PARTS

### FRONT VIEW



### BACK VIEW



## INSTALLING AND REPLACING BATTERIES

The unit uses four UM-4 'AAA' size batteries. If the 'BATT' indicator appears, **remove** the exhausted batteries and follow below steps to install or replace the batteries:

1. Lift and pull up the top center edge of the battery compartment cover, than remove the cover.
2. Insert the batteries as indicated by the polarity symbols (+ and -) marked inside the battery compartment.
3. Replace the battery compartment cover.

**NOTE** After replacing the batteries, the display will be turned on for about 3 seconds and then show the following:

- a. Indoor temperature shows the current measurement.
- b. **Outdoor temperature shows the current measurement.**
- c. Weather forecast shows slightly cloudy (a sun shows with the cloud indicator).
- d. Pressure trend shows steady.
- e. Clock **shows** 12:00 (AM)

The unit takes about 24 hours to store the barometric pressure data. Until that time has elapsed, the pressure trend and weather forecast symbols may not reflect actual weather forecast for your area.

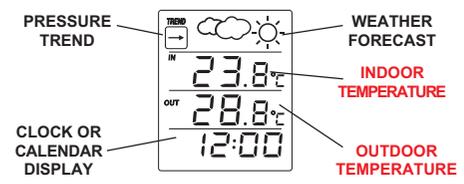
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### DISPLAY AND FUNCTIONS



### GENERAL OPERATION

The display on your Barometer has several functions, other than those first displayed when the unit is turned on. The temperature area of the screen has additional memory displays for the **indoor or outdoor temperatures**. The clock display, in addition to displaying the current time, also acts as the alarm and calendar display. You can access the other functions by pressing the **[MODE]** button or the **[MEMORY]** button.

### HOW TO VIEW THE TEMPERATURE MEMORY

Press the **[MEMORY]** button once. The temperature display will show the maximum temperature. (This reading indicates the maximum temperature recorded since it was last reset.) Press **[MEMORY]** button again and you'll see the minimum temperature. Pressing **[MEMORY]** a third time returns you to the current temperature.

### HOW TO CLEAR THE TEMPERATURE MEMORIES

To clear the temperature memory and begin recording new high and low temperatures, press and hold the **[MEMORY]** button for about 2 seconds until the unit beeps **once**.

**NOTE** If you are in **MIN** or **MAX** temperature display screens, and you do not press any other button, the screen will return to the current temperature readings after 20 seconds.

### HOW TO VIEW THE ALARM TIME AND THE CALENDAR

To view your alarm time press the **[ALARM]** button once. The alarm indicator ((.)) will appear with an alarm time. Press the **[ALARM]** button a second time to return to the normal clock display.

To view the current date, press the **[MODE]** button once. The month and the date will be displayed. Pressing the **[MODE]** again will return you to the normal clock display.

**NOTE** If you are in the alarm/calendar display, and you do not press any other button, the screen will return to the current temperature readings after 20 seconds.





### HOW TO SET THE CLOCK AND THE CALENDAR

When you first start up your barometer (or after you replace the batteries or reset the unit) use the following steps to set your clock and calendar:

1. Press and hold the **[MODE]** button for about 2 seconds. The month digits will flash. Press the **[▲]** button to increase the setting in 1 month increments until the desired month is displayed.
2. Once the month is correct, press the **[MODE]** button again to display the date digits. The date digits will be flashing. Use the **[▲]** button to increase the date in 1 day increments until the desired day is displayed.
3. Once the day is correct, press the **[MODE]** button. You'll see 12hr or 24 hr flashing. Pressing the **[▲]** button will toggle between the 12 and 24 hour settings.
4. Once the clock format is correct, press the **[MODE]** button. The hour digits will be flashing. Press the **[▲]** button again to increase the clock in 1 hour increments until the desired hour is displayed.
5. Once the hour is correct, press the **[MODE]** button again to create the flashing minute digits. Pressing the **[▲]** button will increase the minutes one at a time, until the correct time is displayed.
6. Finally press the **[MODE]** button to confirm all the settings you just entered. The unit will return to the clock display.



### HOW TO SET THE DAILY ALARM

Follow the **below** steps to set your daily alarm:

1. In a normal time display, press and hold the **[ALARM]** button for about 2 seconds. The  will be displayed, in the meantime the  and the hour digits will be flashing. Press the **[▲]** button to increase the alarm time in 1 hour increments, until the desired hour is displayed.
2. Press the **[ALARM]** button again and the indicator and the minute digits will flash. Press the **[▲]** button to increase in 1 minute increments until the correct time is displayed.
3. Press the **[ALARM]** button a third time and press the **[▲]** button to toggle the alarm between ACTIVATED ( displayed) and deactivated (without ).
4. Press the **[ALARM]** button again. The daily alarm is now set, and your barometer will resume its normal time.

**NOTE** If you get interrupted at any point in the alarm setting sequence, the clock will return to its normal time display if no buttons are pressed for 20 seconds.



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## HOW TO READ THE ILLUSTRATED WEATHER FORECAST SYMBOLS AND THE STORM ALARM

Your digital Barometer automatically detects the barometric pressure changes in your area. Based on this changing pressure, it displays an illustrated weather symbol indicating the weather forecast. The displayed weather marks are indicating a forecast 12 to 24 hours ahead, for a radius of approximately 30-50 km (20 to 30 miles).

If the Barometer detects stormy conditions, the storm indicator (lightning bolts) will flash and an alarm will beep. The alarm sound will stop automatically after 1 minute to conserve power. If you're not present when these alarms begin, the audible beep will sound every 3 minutes as a continued storm warning until the weather forecast improves.

To stop the sounding storm alarm, press any button. The storm icon will continue to flash until the weather forecast improves.

LCD DISPLAYS ON THE UNIT					
FORECAST	SUNNY	SLIGHTLY CLOUDY	CLOUDY	RAINY	STORMY

### Important:

1. The accuracy of weather forecasting when using pressure trend alone is about 70 to 75 percent and, therefore, we cannot be held responsible for any inconveniences caused by an inaccurate weather forecast.
2. The weather forecast symbols may not reflect the current weather condition. The symbols are forecasting the future.
3. A 'Sunny' forecast covering the night-time reflects fine clear weather.

## HOW TO READ THE BAROMETRIC PRESSURE TREND

The Barometer gives you the pressure trend for the last hour, indicated by the arrow displayed in the upper left corner of your display, next to the weather icon. The weather is improving if this trend (arrow) is rising, or getting worse if the trend (arrow) is falling. Here's what it can look like:

LCD DISPLAYS ON THE UNIT			
PRESSURE TREND	RISING	STEADY	FALLING



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### WHY WEATHER FORECAST AND TREND MAY APPEAR TO CONFLICT

The weather forecast symbols and the pressure trend signs may show information that at first sight may appear contradictory.

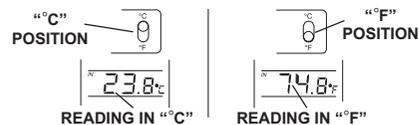
The pressure trend will only show the most recent pressure trend, since the measurements are recorded on an hourly basis. The weather forecast symbols however indicate a longer term development of the weather which is forecast to occur over the next 12-24 hours.

It often happens that the pressure will rise or fall temporarily. With such temporary pressure changes the trend sign will show "Up" or "Down" respectively but the longer term weather forecast symbols will not change if the short term temporary pressure change has been too small to influence the weather.

We recommend that our users should review the Barometer frequently, because the short-term pressure changes shown by the trend sign may give an early indication of a change to the weather forecast over the next few hours.



### HOW TO SELECT THE TEMPERATURE UNITS OF MEASURE



The switch on the back of the Barometer selects between degrees Celsius and Fahrenheit. To select Celsius units, set the switch to °C. To select Fahrenheit units, set the switch to °F.

### THE RESET BUTTON

If the unit does not operate properly, use a pointed object to push the [RESET] button once, which is located on the back of the unit.

### LOW BATTERY SIGNAL INDICATION

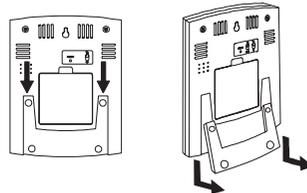
If the voltage of the batteries becomes low, the 'BATT' indicator will be displayed. Please replace the batteries when the 'BATT' indicator is displayed.



## FREE STANDING OR WALL MOUNTING

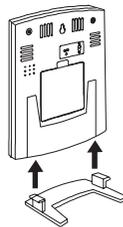
### STAND

Your Barometer comes with a built-in stand for tabletop use. On the back of the unit, ease the plastic from its slot and place the stand in the recess holds located at the bottom of the case.



1. PUSH DOWN  
GENTLY

2. PULL ALWAYS  
FROM UNIT



3. PLACE THE STAND

### WALL MOUNT

On the back of the Barometer you'll find one **recess hole for mounting on to the wall**. Place one screw ( or whatever device you choose ) into the wall until the head extends a little more than 4 mm from the wall. Place your Barometer over the screw in the hanger slot, until it locks into place.

### MAINTENANCE

The following suggestions will help you care for the barometer so you can enjoy it for years.

1. Keep the Barometer dry. If it gets wet, wipe it dry immediately. Liquid might contain minerals that can corrode the electronic circuits.
2. Use and store the Barometer only in normal temperature environments. Temperature extremes can shorten the life of electronic devices, damage batteries, and distort or melt plastic parts.
3. Handle the Barometer gently and carefully. Dropping it can damage circuit boards and cause the Barometer to work improperly.
4. Keep the Barometer away from dust and dirt, which can cause premature wear of parts.
5. Wipe the Barometer with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the barometer.
6. Use only fresh batteries of the required size and type. Always remove old or weak batteries. They can leak chemicals that can destroy electronic circuits.



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7. Modifying or tampering with the Barometer's internal components can cause a malfunction and might invalidate its warranty.

**CAUTION**

- The content of this manual is subjected to change without further notice.
- Due to printing limitations, the displays shown in this manual may differ from the actual displays.
- The manufacturer and its suppliers hold no responsibility to you or any other person for any damages, expenses, lost profits, or any other damages arise by using this Barometer.
- The contents of this manual may not be reproduced without the **permission** of the manufacturer.

**SPECIFICATIONS**

Operating temperature	0°C to +50°C (+32°F to +122°F)
Temperature measuring range (unit: Indoor sensor)	0°C to +50°C (+32°F to +122°F)
Temperature measuring range (probe: Outdoor sensor)	-50°C to 70°C (-58°F to +158°F)
Temperature display resolution	0.1°C (0.2°F)
Temperature sampling cycle	9 seconds
Humidity measuring range	<b>1%RH</b>
<b>Pressure sampling cycle</b>	15 minutes
Clock accuracy	±0.5 secs per day
Power source	Four pcs. UM-4 or 'AAA' size batteries
Battery life	Approx. 1 Year
Dimension	136 x 108 x 26.5 mm (H x W x D)
Weight	200 gms (without battery)



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**Electronic Barmometer  
Model: BA112**

**User Manual**