Thank you for your purchase of this advanced weather station. The utmost care has gone into the design and manufacture of your clock. Please read the instructions carefully and keep the manual for future reference.

The receiver unit has a clear, easy-to-read display that shows the indoor/outdoor temperature, time, date, month and day of the week. It will receive and display temperature, indoor humidity, and barometric pressure.

**Outdoor Temperature:** -4°F ~ +122°F

**Indoor Humidity:** 20% ~ 99%

Daily Sunrise/Sunset and Moonrise/Moonset Time Display

Transmission Range: 100 feet (Open Area).

Maximum Three Selectable RF channels with Wireless Thermo Sensor Unit

- **433MHz RF Transmitting Frequency.**
- **Display in mb/hPa or in Hg Selectable.**
- **Pressure Reading.**
- **Barometric Pressure Measurement.**
- **Weather Girl with Suitable Clothing in Outdoor Condition**
- **Weather Forecast with Sunny, Slightly Cloudy, Cloudy, Rainy, and Cloud Burst.**

**Main Unit**

- **Thermo Sensor Unit:** 3.7 x 2.36 x 1.10 inch
- **Main Unit:** 5.94 x 9.13 x 1.22 inch

**Battery**

- **Main Unit:** DC 1.5 V 2A size x 3 pcs
- **Thermo Sensor Unit:** DC 1.5 V 3A size x 2 pcs

**Specifications**

**Main Unit**

- **Recommended operating range:** 0°C to 45°C, 32°F to 113°F
- **Power:** DC 1.5 V 2A size x 3 pcs
- **Dimension:** 5.94 x 9.13 x 1.22 inch

**Thermo Sensor Unit**

- **Recommended operating range:** -4 °F to 131 °F
- **Power:** DC 1.5 V 3A size x 2 pcs
- **Dimension:** 3.7 x 2.36 x 1.10 inch

**User’s Instructions**

1. **Before using the Transmitter**

   - Press “A” button (B11) for three seconds to select Absolute or Relative pressure display. “Abs” is shown for Absolute pressure, “Rel” is shown for Relative pressure.
   - Absolute pressure is the actual pressure measured by the Main Unit.
   - Relative pressure can be adjusted to sea level’s pressure by holding “Absolute/Relative” button (B10) for 3 seconds.
   - Press “A” button (B11) for three seconds to select the unit for Barometric Pressure Meter in hPa or mb / hPa.

2. **Barometric Pressure Trend**

   - Press “HISTORY” button (B7) to view the past 12 hours Barometric Pressure history. The hour is indicated on LCD (A14).
   - Hold “A” button (B8) for three seconds to select the unit for Barometric Pressure Meter in hPa or mb / hPa.

**Weather Girl**

- Weather Girl (A13) shows different clothing under different weather condition and Outdoor temperature (according to the lowest channel). This is to remind you to wear suitable clothes or take an umbrella with you before you go to outdoor area.
- If there is no Thermo Sensor is registered in the main unit, LCD shows : Cloudburst and outdoor temperature (any channel) is under 0°C.

**Weather Forecast Function**

1. After Batteries inserted or holding “WEATHER” button (B7) for 3 seconds, Weather icon (A11) blinks. Enter the current weather condition by pressing “A” (B8) or “B” (B9) buttons. Press “WEATHER” button (B7) to confirm the setting. The weather forecast may not be accurate if the current weather condition entered is not correct.

2. The current weather status should be entered again if the altitude of the weather station is changed. (Barometric pressure is lower at higher altitude location. Therefore, altitude change will affect the weather forecast). The weather station will start the first forecast at 6 hours after the current weather status is entered.

3. Totally 5 different weather conditions in the weather forecast.

**Weather Forecast**

- **Sunny**
- **Slightly Cloudy**
- **Cloudy**
- **Rainy**
- **Cloudburst**

- “Sunny” is shown if the weather forecast is Rainy or Cloudburst and outdoor temperature (any channel) is under 0°C.

- If there is any inconsistency of weather forecast between Local Weather Station and this unit, the Local Weather Station’s forecast should prevail. We will not hold responsible for any trouble that may come up due to wrong forecasting from this unit.

The trend pointer (LCD A10) indicates the trend of the barometric pressure.

- Indicates the barometric pressure trend is increasing.
- Indicates the barometric pressure trend is steady.
- Indicates the barometric pressure trend is decreasing.
OUTDOOR THERMO SENSOR UNIT REGISTRATION PROCEDURE

1. The main unit automatically starts receiving transmission from Outdoor Thermo Sensor after Weather condition setting. Outdoor temperature might blink. (See section 3)

2. Insert the batteries in the Thermo Sensor Unit. The sensor unit automatically transmits temperature to the main unit. (Battery compartment (D5) of thermo sensor is located behind the back cover, unscrew to open.)

3. For having more than one external transmitter (Maximum3), select the Channel, CH1, CH2 or CH3 to ensure each sensor is transmitting at different channel before inserting batteries. The channel select switch (D4) is at the back of the thermo sensor unit.

4. Press “TX” button (D7) on the thermo sensor unit to transmit temperature to the main unit manually. The main unit gives a “beep” sound if it received the temperature.

DISPLAY OUTDOOR TEMPERATURE

1. Press “CHANNEL” button (B6) to view the 3 Channel temperature. The sequence is shown as follow:

   - Press “CHANNEL” Button
     Display the three channels alternatively

2. Hold “CHANNEL” (B8) button for 3 seconds to cancel unused channel. It will automatically register a new channel again if a new channel is received. If there is no temperature displayed in existing channel (” — – ” is displayed on the LCD), hold “CHANNEL” button (B8) for 3 seconds to cancel that channel and receive the channel again. “Beep” sound can be heard. Then, press “TX” button (D7) on the thermo sensor unit to transmit temp to the main unit manually.

3. The trend pointer displayed (A1) indicates the trend of the outdoor temperature.
   - Indicates the outdoor temperature is increasing.
   - Indicates the outdoor temperature is steady.
   - Indicates the outdoor temperature is decreasing.

4. Press “ °C /°F” button (D6), on the Thermo Sensor unit, to select switch (D4) is at the back of the thermo sensor unit, to select Temperature to be displayed in Celsius mode or Fahrenheit mode.

MANUAL TIME SETTING

1. Hold “MODE” button (B3) for 3 seconds to enter Clock/Calendar setting mode. Press “+” (B2) or “-” (B4) button to adjust the setting and press “MODE” button (B3) to confirm each setting.

2. The setting sequence is shown as follow: Hour, Minutes, Second, Year, Month, Day, Day-of-week, County and City.

12/24 HOUR DISPLAY MODE

1. Press “12/24” button (B2) to select 12 or 24 hours mode.

2 DAILY ALARM FUNCTION

1. Press “MODE” button (B3) to select to view: Alarm Time 1 (Shown) Alarm Time 2 (Showed).

2. When viewing Alarm Time 1 or Alarm Time 2, hold “MODE” button (B3) for 3 seconds to enter Alarm Time setting. Press “+” (B2) or “-” (B4) button to adjust the alarm time.

3. When viewing Alarm Time 1 or Alarm Time 2, press “ALARM ON/OFF” button (B5) to switch that alarm ON or OFF.

4. Press “MODE”(B3), “+”(B2) or “-”(B4) or “SUN/MOON” (B1) button to stop the alarm.

SUNRISE/SUNSET AND MOONRISE/ MOONSET TIME DISPLAY FUNCTION

1. After setting the Calendar, Local Country and City in the Time Setting Mode, the Main Unit calculates the Sunrise/Sunset and Moonrise/ Moonset. The Sunrise/Sunset and Moonrise/ Moonset time digit blinks during the calculation.

2. Press “SUN/MOON” button (B1) to display the Sun Hours of the selected day. Hold “SUN/MOON” button for (B1) 5 seconds to enter Sunrise/Sunset and Moonrise/Moonset Time Quick Checking Mode, Location digits (A16) digits

3. Enter “Country”, “City”, “Year”, “Month” and “Day” which you would like to check.

4. Press “+” (B2) and “-” (B4) button to adjust and press “SUN/MOON” button (B1) to confirm setting.

5. The Sunrise/Sunset and Moonrise/Moonset time digit blinks during the calculation. After Calculation, Sunrise/Sunset and Moonrise/Moonset time is shown. The location digits (A15) keep blinking to indicate the Main Unit is still in Quick Checking Mode.

6. Mode. Press “SUN/MOON” button (B4), or after 15 seconds, to return to normal mode.

7. If moonrise or moonset occur at mid day, then “MOONRISE +1” or “MOONSET +1” will be displayed.

8. If there is no moonrise or moonset occur on someday, “— — —” will be displayed on the LCD. The Sunrise/Sunset and Moonrise/Moonset time display is just for reference only. For exact Sunrise/ Sunset and Moonrise/Moonset time, please refer to your Local Weather Station.

MOON PHASE DISPLAY

The Moon Phase (A16) of each day is shown on the LCD.

A: New Moon  B: Waxing Crescent  C: First Quarter
D: Waxing Gibbous  E: Full Moon  F: Waning Gibbous
G: Last Quarter  H: Waning Crescent

LOW BATTERIES INDICATOR

Low battery icon “ (appear at particular channel indicating that Thermo Sensor Unit of the channel is in low battery status. The batteries should be replaced.

NOTE:
- Use a pin to press the reset button (B12) if the Unit does not work properly.
- Avoid placing the clock near interference sources /metal frames such as computer or TV sets.
- The clock loses its time information when the batteries is removed.
- Buttons will not function while scanning for WWVB time signal or thermo sensor’s signal unless they are well received or stopped manually.
- All Setting Modes will automatically exit in 15 seconds without any adjustment.

NOTE:
Attention! Please dispose of used unit or batteries in low battery status. The batteries should be replaced.

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: Oregon Scientific, Inc.
Address: 19861 SW 95th Place, Tualatin, Oregon 97062 USA

declare that the product:

Product No.: IWA-8004
Product Name: ADVANCED WEATHER STATION

is in conformity 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 to this unit 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.

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.

ABOUT OREGON SCIENTIFIC

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DECLARATION THAT THE PRODUCT:

IWA-8004
ADVANCED WEATHER STATION

is in conformity 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.

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