

INSTRUCTION MANUAL

Wireless Thermometer with Sensor

Model 00735

Acu-Rite instruments are designed to provide accurate and reliable measurements. Before setting up the weather station, please read these instructions thoroughly.

Included with this wireless weather station kit are batteries (2 AA, 2 AAA), wall mounting supplies, the LCD display (main unit), the remote wireless sensor (sensor unit) and a sensor probe. Additional sensors can be purchased at www.chaneyinstrument.com.

Both the main unit and the sensor unit can be displayed on a desktop or hung on a wall. For desktop display pull out the foldable stand located on the back of the unit. To hang on a wall, slide the hanging slot located at the top center of the unit over a nail or screw (not provided) in the wall.

Main unit:

- The main unit and sensor “communicate” using a built-in random security code. The main unit will automatically “learn” the random code of the sensor unit and assign this sensor to Channel 1. Up to two more sensor units can be purchased separately (model 00739). If additional sensors are purchased the main unit will automatically assign these sensors to open channels.

Sensor unit:

- The sensor can transmit up to 100 feet without outside interference (e.g. metal surfaces, electrical devices, etc).
- The sensor unit has a waterproof case. The 10 ft. detachable probe can be submerged to measure the temperature in ponds, aquariums, etc.

Note: When sensor temperatures reach -12°F/-24°C or lower, bring sensor unit(s) indoors and measure temperature by placing the detachable probe out a window. Extremely cold weather can freeze the batteries and LCD panel, causing malfunctions.

Temperature Ranges:

Main unit: 32° F-122° F/0° C-50° C
Sensor unit: -58 F-158° F/-50° C-70° C

THERMOMETER SET-UP:

1. Place batteries in the main unit by removing the battery cover panel on the back of the unit and inserting 2 AA alkaline batteries.
2. Insert 2 AAA alkaline batteries into the sensor unit. **Note:** The battery panel is located behind the foldable stand/ mounting plate, which can be gently pried from the back of the unit. A small screwdriver is required to open the battery panel. Before replacing the battery cover press the **reset** or the **Tx** button to send a signal to the main unit.
3. On the main unit, select between Celsius and Fahrenheit temperature readings by pressing the **+ C/F** button.
4. To add an additional sensor make sure batteries are in the main unit first, then place batteries in the additional sensor and press the **reset** or **Tx** button. The main unit automatically searches for an open channel to register the signal for the new sensor.

Low Battery Indicator:



The low battery indicator will appear on the LCD displays of both the main and sensor units. To replace the batteries, follow the set-up procedure above.

The main unit and the sensor unit have an average battery life of 6 months, depending on usage. **Note:** Alkaline batteries are recommended.

Auto Scroll:

- If additional sensors are present, the auto scroll feature will display each channel's temperature for 5 seconds. To activate auto scroll, press the **-** button until the icon appears on the LCD display.

Temperature Trend Indicator:

- If the temperature changes more than 1 degree in an hour, 1 of 3 temperature trend icons will appear, indicating steady, falling, and rising temperatures.



MIN/MAX/MEMORY:

The main unit automatically stores the high and low temperature.

- Pressing the **max/min** button will display the maximum temperature for 5 seconds. Press the button again to display the minimum temperature for 5 seconds.
- To clear the stored temperature, press the **clear** button while the value you wish to clear (max or min) is displayed.

TEMPERATURE ALERT:

Minimum and maximum temperature alerts can be programmed.

To turn the feature on or off, press the **alert** button. When the icon is displayed this feature is on.

Setting Cycle:

- To set the temperature at which the alert will sound, press the **alert** button for 3 seconds until the outdoor temperature and the upper/lower icon flash. Press the **+** or **-** button to select the desired channel; press the **alert** button to confirm the channel selection.
- The upper pointer and temperature will begin to flash. Enter the desired upper limit temperature by pressing the **+/-** buttons; press **alert** to confirm.
- The lower pointer and temperature will begin to flash. Enter the desired lower limit temperature with the **+/-** buttons; press **alert** to confirm and exit the temperature alert mode.
- When the temperature reaches either the upper or lower limit, the pointers and the temperature begin to flash and an alarm will sound. Press any key to stop the alarm. The temperature will continue to flash until the temperature changes from the upper or lower limit temperature.

TIME:

Clock and Calendar Setting:

Press the **set** button for 3 seconds to enter clock-setting mode. Use the **+** or **-** buttons on the back of the main unit to adjust

settings. Press the **set** button to confirm each setting. The settings will be in the following sequence:

- 12/24 hour mode
- Hour and minute settings
- Hour offset allows the time to be set ahead (to maintain correct time, keep at 0)
- Year, day and month

Alarm Setting:

- Press the **clear** button for 3 seconds. Press **+** or **-** to enter the desired hour. Press **clear** again and use the **+** or **-** to enter the desired minutes. Press **clear** again to confirm the time for the alarm.
- A bell icon will appear in the time panel to show that the alarm is set. To view the time the alarm is set for, press the **clear** button. The alarm time will display for 5 seconds and then switch back to normal clock mode.
- When alarm goes off, the alarm will sound for 1 minute. Each time you press the snooze button the alarm will “snooze” for ten minutes, and then sound again.

To turn the alarm and snooze alarm off, press the **+** button.

TROUBLESHOOTING:

- At times, the main unit may display “---” in the remote temperature if outside interference is occurring. Most of the time the unit will re-sync the signal on it's own. However, if this should continue to occur, the following may also be the reason:
 - A. Low battery indicator(s).
 - B. The sensor has been placed outside of the effective transmission range (more than 100 feet). Move the sensor closer to the main unit.
 - C. Sensor units may have outside interference that is preventing proper transmission. Sources of interference include but are not limited to metal surfaces, electrical devices, etc. The sensor may need to be relocated if interference continues.

LIMITED WARRANTY: Should this product from the Chaney Instrument Co. prove to be defective in material or workmanship within one year of original purchase it will be repaired or replaced. This warranty does not cover damage in shipment or failure caused by tampering, carelessness, or abuse.

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CHANNEY INSTRUMENT CO.
LAKE GENEVA, WISCONSIN 53147
www.chaneyinstrument.com