

308-148 FAQs

We are weather enthusiasts like you and know proper running equipment is important. These FAQs provide valuable information on setup, positioning, and troubleshooting your station. We recommend Adobe Reader version 10 or greater available at: <http://get.adobe.com/reader>

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GENERAL INFORMATION

BATTERIES: WHAT DO I NEED TO KNOW ABOUT BATTERIES?

- Good fresh batteries are important for best performance in your sensor and as backup in your station.
- Batteries with an expiration date of 2029, were manufactured in 2019.
- We recommend batteries with an expiration date no more than 6 years in advance of the current year for best performance.
- A minimum voltage of 1.48 v per battery is required for best performance.

WHAT DO THE BATTERY ICONS MEAN?

- When Low Battery Icon shows by the Indoor Temperature, replace batteries in the station. 
- When Low Battery Icon shows by the Outdoor Temperature, replace batteries in the sensor.

STATION

Compatible sensor: TX147TH Temperature & Humidity

Transmission Range 330 feet (100 meters) open air. 433MHz RF

Battery life up to 12 months.

WHAT ARE THE POWER REQUIREMENTS?

308-148 2-AAA batteries

Battery life up to 12 months.

WILL THESE STATION WORK IN OTHER COUNTRIES?

- Yes. The thermometer and station can work together anywhere.

BUTTON FUNCTIONS

There are 3 buttons: +/SEARCH, SET/MODE, -/RESET

SET/MODE button:

Normal Time Display-

- Hold for to enter Settings menu.
- Press to view change Temperature/Humidity Display from Large to Small.

Settings Mode:

- Press and release to confirm setting and move to next item or exit.

+ /SEARCH Button:

Normal Time Display-

- Press to view HI/LO Temperature/Humidity Records with time/date stamp.
- Hold to search for sensor.

Settings Mode-

- Press to increase the values by one.
- Hold to quickly adjust values.

- /RESET Button:

Normal Time Display-

- Hold 5 seconds to reset all HI/LO Temperature/Humidity Records at one time.

Settings Mode-

- Press to decrease the values by one.
- Hold to quickly adjust values.

HOW DO I SETUP MY STATION?

1. Insert 2-AA batteries into your Outdoor Thermometer and 2-AAA batteries into your Station.
2. Adjust time and date settings on your station.

POSITION STATION

Place the display directly on a table using the built-in pull-down stand on the back. Alternatively, hang it on a wall using the triangle hanging hole.



- Best reception occurs when there is only one barrier (wall, door etc.) between your station and your sensor.
- Position you station six feet from other electronics and wireless devices. If you suspect RF (radio frequency) interference, simply move your weather station a few feet.
- Electrical wires, utilities, cables, etc. may create interference if too close.

DOES MY STATION HAVE ATOMIC TIME?

- No. The time needs to be set manually on your station.

HOW DO I MANUALLY SET THE TIME?

1. Hold the **SET/MODE** button 3 seconds to enter Settings Menu.
2. Press the **+ / SEARCH** button to adjust the flashing values. Hold to adjust quickly.
3. Press the **SET/MODE** button to confirm adjustments and move to the next item or exit.

Settings order:

1. Hour
2. Minutes
3. Year
4. Month
5. Date
6. Fahrenheit / Celsius

Settings:

1. Hold **SET/MODE** button. The **HOUR** will flash. Press the **+ / SEARCH** button to choose the hour.
2. Press **SET/MODE** to confirm and move to the minutes. The **MINUTES** will flash. Press the **+ / SEARCH** button to choose the minutes.
3. Press **SET/MODE** to confirm and move to the year. **2021** will flash. Press the **+ / SEARCH** button to change the year.
4. Press **SET/MODE** to confirm and move to the month. The **MONTH** number will flash. Press the **+ / SEARCH** button to change the month.
5. Press **SET/MODE** to confirm and move to the date. **DATE** number will flash. Press the **+ / SEARCH** button to change the date.
6. Press **SET/MODE** to confirm and move to the temperature unit. **°F** will flash. Press the **+ / SEARCH** button if you prefer °C (Celsius).
7. Press **SET/MODE** to confirm and exit.

Note: If no buttons are pressed in a 10 second period, set mode will time out and return to live display mode, reflecting whatever adjustments were made by user before timed out.

DOES THIS STATION HAVE 12 HOUR AND 24 HOUR TIME OPTIONS?

- No, It operates on 12-hour time only.

HOW DO I SWITCH FROM FAHRENHEIT TO CELSIUS?

- You can select Fahrenheit or Celsius in the program menu.

CUSTOM DISPLAY MODES

- Press the **SET/MODE** button to view either Temperature or Humidity in large numbers.
- Both Indoor and Outdoor Temperature or Humidity will be large at the same time.
- Station will stay on selection.

HOW DO I FACTORY RESET MY STATION?

- Basically, this is a great way to return your station to “out of the box” condition.
- All history records will be removed, so write down anything you want to keep.

To factory reset your station:

1. Bring your thermometer within, 5-10 feet of the station.
2. Remove power from station and sensor for 15 minutes. With power removed press any button 20 times.
3. Insert batteries into your sensor and station. Allow 15 minutes for them to connect several times.
4. Return sensor to previous locations.

HOW DO I VIEW HI/LO RECORDS?

View HI/LO records:

Press the **+ /SEARCH** button to view HI/LO Temperature/Humidity Records with time/date stamp.

Viewing Order:

Outdoor HI Temp
Outdoor LO Temp
Outdoor HI Humidity
Outdoor LO Humidity

Indoor HI Temp
Indoor LO Temp
Indoor HI Humidity
Indoor LO Humidity

Reset: While Viewing HI/LO Records; Hold the **- /RESET** button 5 seconds to reset all Temperature/Humidity Records at one time.

SEARCH FOR SENSOR

- If thermometer loses connection to the station for any reason, the station will show **NO** in the outdoor temperature/humidity area after 20 minutes.
- The station will search for 3 minutes every hour to reconnect with thermometer.

- Hold the + /**SEARCH** button 2 seconds to manually search for the outdoor thermometer.
- Reception Icon  will flash while searching for thermometer. Outdoor thermometer area will show dashes during the search. When thermometer is received the icon will be solid.
- If no thermometer received, icon would disappear after 3 minutes of searching if thermometer is not found. **NO** will again show in the outdoor thermometer area.

SENSOR

WHAT ARE THE POWER REQUIREMENTS?

TX147TH Sensor: 2-AAA batteries for each thermometer
Battery life up to 12 months.

POSITION SENSOR

Sensor: Insert a screw through the front hanging hole to mount the sensor outside in a shaded location. For more details, watch our video here: bit.ly/th_sensor_mounting.

- Place your thermo-hygro thermometer at least 6 feet off the ground.
- For accurate temperature readings your thermometer needs to be shaded from the sun and in a well ventilated area. Trapped moisture will cause inaccurate readings.
- Mount your thermometer vertically to allow moisture to drain out the bottom.
- Preferred location is on a north facing wall under an eave or deck rail.
- Avoid placing near a metal roof that will cause it to read high on sunny days.
- Avoid other sources of heat such as soffit vents, and window or door frames.
- For accurate humidity readings, avoid placement near vegetation and lakes or other bodies of water when possible.
- Maximum transmission distance from your thermos-hygro thermometer to your station, in open air is 330 feet (100 meters).

WHAT IS DISTANCE | RESISTANCE | INTERFERENCE?

Distance:

- The maximum transmitting range in open air is over 330 feet (100 meters) between your thermometer and your station.
- Consider the signal path from your station to your thermometer as a straight line.
- Consider the distance the station is from other electronics in the home.

Resistance:

- Each obstacle: Refrigerator/Freezer doors, walls, windows, vegetation, stucco, concrete, and large metal objects will reduce the effective signal range by about one-half.

Interference:

- Consider electronics in the signal path between your thermometer and your station.

- Simple relocation of your thermometer or the station may correct an interference issue.
- Windows can reflect the radio signal.
- Metal will absorb the RF (radio frequency) signal.
- Stucco held to the wall by a metal mesh will cause interference.
- Transmitting antennas from: ham radios, emergency dispatch centers, airports, military bases, etc. may cause interference.
- Electrical wires, utilities, cables, etc. may create interference if too close.