

308-149 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 thermometers 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.
- Lithium batteries may be used in outdoor thermometers. Alkaline batteries for the station.

WHAT DO THE BATTERY ICONS MEAN?

- When Low Battery Icon shows by the time, replace batteries in the station. 
- When Low Battery Icon shows by Thermometer 1, replace batteries in Thermometer 1.
- When Low Battery Icon shows by Thermometer 2, replace batteries in Thermometer 2.

STATION

Compatible thermometers: TX146

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

Battery life up to 12 months.

WHAT ARE THE POWER REQUIREMENTS?

308-149 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 5 buttons on the station.

CLEAR | -, SET, + (PLUS), ALERTS, HIGH/LOW RECORDS

CLEAR | - Button:

When viewing Temp Records

- Hold to delete individual records.

When viewing Alert History

- Hold to delete individual Alert History.

Settings Mode:

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

Alert Settings:

- Press to arm/disarm alert.
- Press to set alert values when flashing.

SET Button:**Normal Time Display-**

- Hold to enter Settings Menu.

+ Button:**Normal Time Display-**

- Hold to search for thermometers.

Settings Mode-

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

Alert Settings:

- Press to arm/disarm alert.
- Press to set alert values when flashing.

ALERTS button**Normal Time Display-**

- Hold to enter Alert Settings.
- Press to view Alert History (if no alert history, shows NO ALERTS)

Alert Settings:

- Press to confirm setting and move to next item.

HIGH/LOW RECORDS button**Normal Time Display-**

- Press to view High and Low records with time and date.

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 refrigerator or wall using the rear magnets or triangle hanging hole.



- Best reception occurs when there is only one barrier (wall, door etc.) between your station and your thermometers.
- 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** button 3 seconds to enter Settings Menu.
2. Press the **+** or **CLEAR I-** button to adjust the flashing values. Hold to adjust quickly.
3. Press the **SET** button to confirm adjustments and move to the next item or exit.

Settings order:

1. 12/24
2. Hour
3. Minutes
4. Year
5. Month
6. Date
7. Fahrenheit/Celsius
8. Decimal/No Decimal

Settings:

1. Hold the **SET** button. 12HR will flash. Press the **+** or **CLEAR I-** button to choose 24Hr time.
2. Press **SET** to confirm and move to the hour. The **HOUR** will flash. Press the **+** or **CLEAR I-** button to choose the hour.
3. Press **SET** to confirm and move to the minutes. The **MINUTES** will flash. Press the **+** or **CLEAR I-** button to choose the minutes.
4. Press **SET** to confirm and move to the year. The **YEAR** will flash. Press the **+** or **CLEAR I-** button to choose the year.
5. Press **SET** to confirm and move to the month. The **MONTH** will flash. Press the **+** or **CLEAR I-** button to choose the month.
6. Press **SET** to confirm and move to the date. The **DATE** will flash. Press the **+** or **CLEAR I-** button to choose the minutes.
7. Press **SET** to confirm and move to the temperature unit. °F will flash. Press the **+** or **CLEAR I-** button if you prefer °C (Celsius).
8. Press **SET** to confirm and select Decimal or No Decimal. **DECIMAL** will flash. Press the **+** or **CLEAR I-** button if you prefer **NO DECIMAL**.
9. Press **SET** 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?

- Yes, you can select 12 hour or 24 hour time format in the [program menu](#) of your station.

HOW DO I SWITCH FROM FAHRENHEIT TO CELSIUS?

- You can select Fahrenheit or Celsius in the program menu.
- You can select to have the decimals show (ON) or not show (OFF) in the program menu.

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 rest your station:

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

HOW DO I VIEW HI/LO RECORDS?

View HI/LO records:

Press the **HIGH/LOW RECORDS** button to view HI/LO Temperature Records from both thermometers.

Viewing Order:

- Thermometer 1 HI record
- Thermometer 1 LO Record
- Thermometer 2 HI record
- Thermometer 2 LO Record

Delete individual history records:

- Press the **HIGH/LOW RECORDS** button to view HI/LO Temperature Records.
- While viewing individual records, hold the **CLEAR I-** button to delete that record.

HOW DO I SET ALERTS?

This station can provide High and Low Temperature Alerts for each thermometer.

- When an alert is reached, the alert icon and value will flash, and the display will beep 5 times each minute and alternate between the Calendar Mode and Alert Mode every 30 seconds for 5 minutes.
- Press any button to stop the Alert Sound.
- The Alert Icon will continue to flash while in the alert range, or until the alert is disarmed or adjusted.

Set & Disarm Alerts:

1. Hold the **ALERTS** button until the display changes to Alert Settings.
2. Use the **+** or **CLEAR I-** button to arm or disarm the alert. Press the **ALERTS** button to confirm and move to the alert value.
3. The Alert Value will flash. Use the **+** or **CLEAR I-** button to adjust the alert value. Hold to adjust quickly. Press the **ALERTS** button to confirm and move to the next alert or exit.
4. The word "FINISH" will show after the last alert setting, and the display will then return to the normal display.

Alert Setting Order:


- Thermometer 1 HI alert
- Thermometer 1 LO alert
- Thermometer 2 HI alert
- Thermometer 2 LO alert

Alert History:

- Press the **ALERTS** button to view your alert history.

- While viewing alert history, hold the **CLEAR |** - button to delete a stored alert value and time stamp.
- If no alerts have been triggered, the station will show NO ALERTS when the **ALERTS** button is pressed.

SEARCH FOR THERMOMETERS

- If thermometer loses connection to the station for any reason, the station will show **NO** in the outdoor temperature/humidity area after 30 minutes.
- The station will search for 3 minutes every hour to reconnect with thermometer.
- Hold the **+ (PLUS)** 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.

THERMOMETERS

WHAT ARE THE POWER REQUIREMENTS?

TX146 Thermometers: 2-AAA batteries for each thermometer
Battery life up to 12 months.

POSITION THERMOMETERS

- **Thermometers:** Use the provided thermometer stands to mount the thermometers from the bottom, back, or top of the thermometer.



Freezer or Refrigerator Placement:

- **Freezer Thermometers** work best when installed in the center of the freezer without touching anything other than the freezer wall or rack. Move frozen food or ice so there's an open space for the thermometer. Maximum recommended Freezer Temperature is 0°F.

- **Refrigerator Thermometers** should be placed just below the top shelf, in the middle of the shelf, or closer to the door for most accurate measurements. Maximum recommended Refrigerator Temperature is 40°F.
- Be sure the thermometers are positioned vertically to allow condensation to drain out.
- Spilled liquids on your thermometer may cause it to malfunction.
- **Outdoor Mounting:** Watch thermometer mounting video: http://bit.ly/TH_ThermometerMounting
- 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.

THERMOMETER BUTTONS AND DISPLAY

The thermometer has a TX button and a channel selector.

TX button

- Press to manually transmit a signal
- Hold to change thermometer display between Fahrenheit to Celsius

Channel Selector:

- Channel 1 selection will read to the Left Side of the station.
- Channel 2 or Channel 3 selection will read to the Right Side of the station.

The Transmission Waves will animate for 3 seconds while the thermometer is transmitting. They will be solid when the thermometer is not transmitting.

