LA CROSSE® TECHNOLOGY

Glide Wind Sensor

SET UP GUIDE

MODEL: TX145W

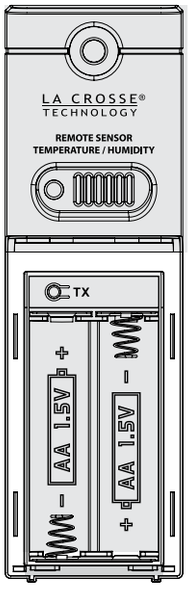
Table of Contents

Power Up

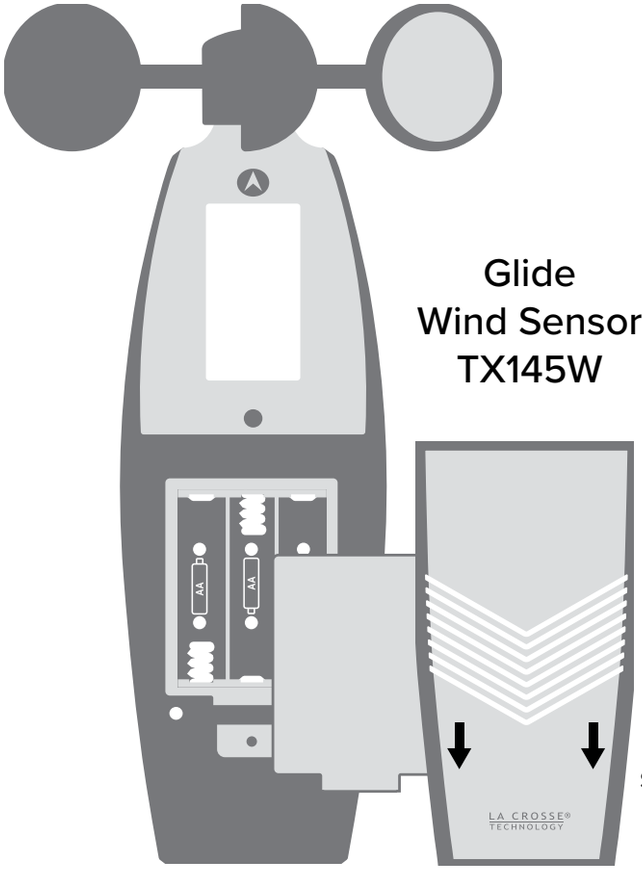
1. Insert 2-AA batteries into your Temperature/Humidity (TH) Sensor.
2. Insert 3-AA batteries into your Glide Sensor.
3. Insert 2-AA batteries into your Wind Speed Station.
4. Once readings from both sensors appear on your station, you can mount them outside. See pages **14-15** for more details.

Watch our sensor mounting videos:
TH Sensor: bit.ly/th_sensor_mounting
Wind Sensor: bit.ly/wind_sensor_mounting

TH Sensor
TX141TH-Bv4

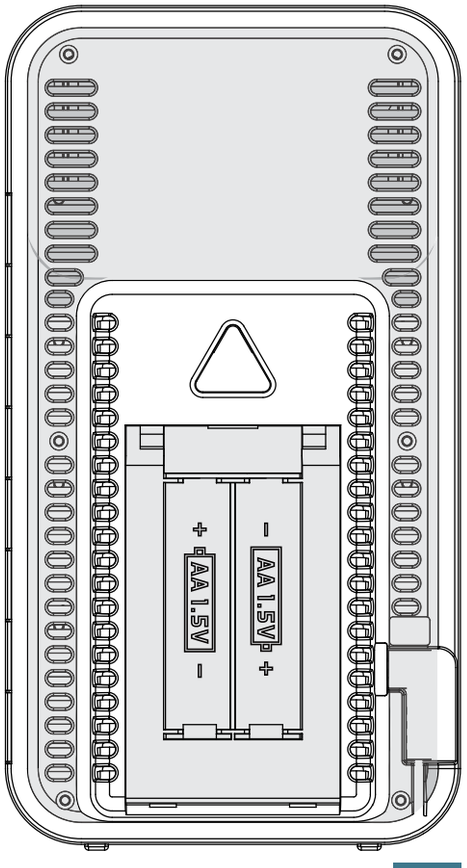


Glide
Wind Sensor
TX145W



Press and
slide down

Wind Speed Station
327-1418BW

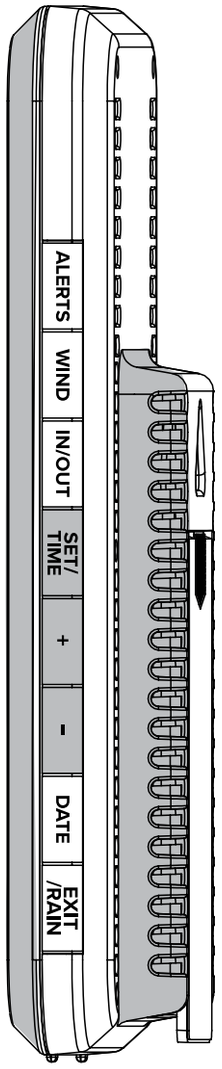


Settings Menu

1. Hold the **SET/TIME** button until the display changes, to enter the Settings Menu.
2. Press and release the **+/-** buttons to adjust values. Hold to adjust quickly.
3. Press and release the **SET/TIME** button to confirm values and move to the next setting.
4. Press and release the **EXIT/RAIN** button at any time to save and exit.

Settings Menu Order:

- Greeting
- Beep ON/OFF
- 12HR/24HR Time
- Hour
- Minute
- Year
- Month
- Date
- Month/Date or Date/Month
- Fahrenheit/Celsius
- Decimal ON/OFF
- Wind Speed MPH or KMH
- Rain Inches or Millimeters
- Thank You

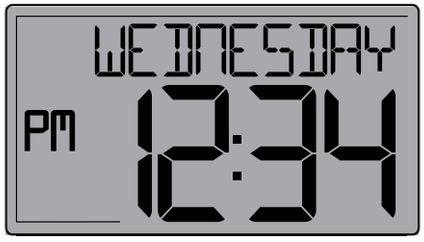


Weekday: Will set automatically when your Year, Month, and Date are set.

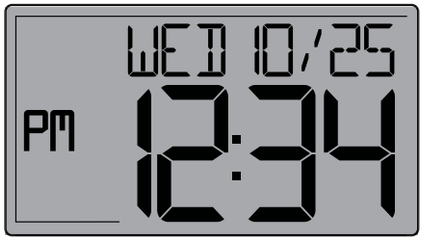
Custom Calendar Display

Press and release the **DATE** button to change Calendar selections:

Full Weekday

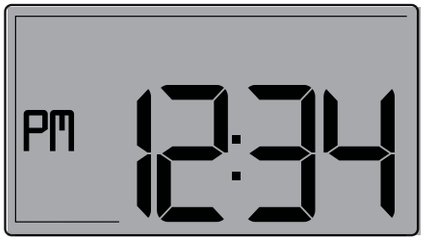


Weekday/Month/Date



Month/Date/Year

No Calendar

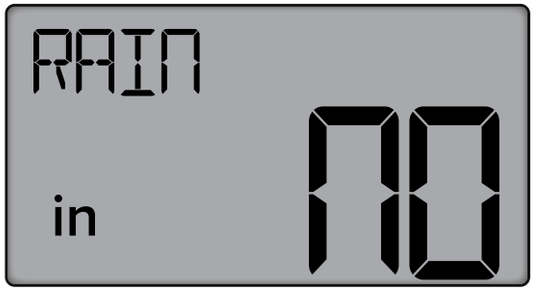


Time or Rain Display

The station can read an add-on Rain Sensor TX145R (sold separately). The rain sensor will read in place of the time.

See page **12** for details on the add-on rain sensor and viewing rain history.

If RAIN NO shows on the station, a rain sensor is not connected to a rain sensor. Press and release the **SET/TIME** button to go back to the calendar display or review page **12** to get the rain sensor connected.

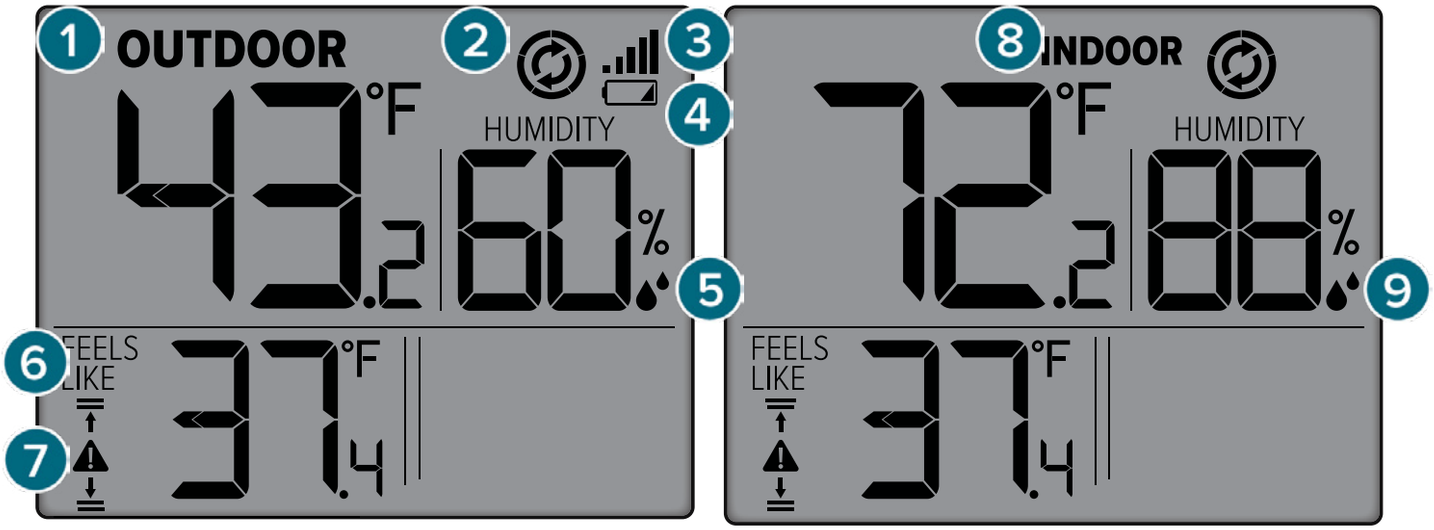


Temperature/Humidity Readings

Indoor and Outdoor Readings share the same space.

1. Hold the **IN/OUT** button to enter the Temperature Selection Menu.
2. Press and release the **+/-** buttons to select Outdoor Readings, Indoor Readings, or Auto-scroll between both. The Auto-scroll Icon will show when active.

Note: To stop the auto-scroll, repeat the steps above until the Auto-scroll Icon disappears. The display will stay on your selection.



1. OUTDOOR TEMPERATURE

Current Outdoor Temperature.

2. AUTO-SCROLL ICON

Readings will automatically change from Outdoor to Indoor.

3. RECEPTION ICON

Indicates if the station is receiving data from the sensor.

4. LOW BATTERY ICON

Low Battery in TH Sensor

5. OUTDOOR HUMIDITY

Current Outdoor Humidity.

6. FEELS LIKE TEMPERATURE

Combination of Temperature and Wind Speed.

7. FEELS LIKE ALERT ICONS

Shows an Alert is armed.

8. INDOOR TEMPERATURE

Current Indoor Temperature.

9. INDOOR HUMIDITY

Current Indoor Humidity.

Temperature/Humidity Records

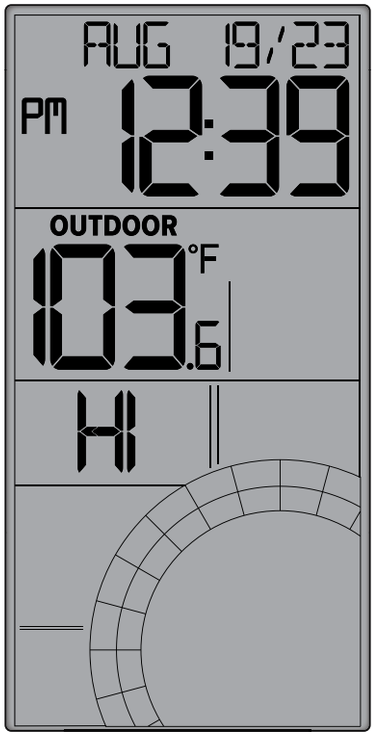
Viewing Records

Press and release the **IN/OUT** button to toggle through indoor/outdoor temperature & humidity records with time and date stamps.

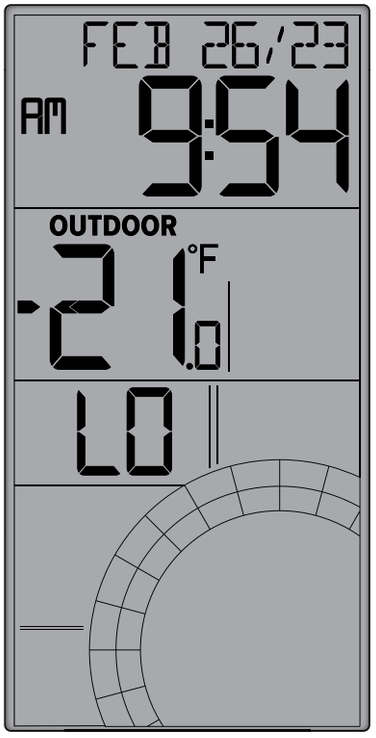
Records Viewing Order

Outdoor High Temperature • Outdoor Low Temperature • Outdoor High Humidity
Outdoor Low Humidity • Indoor High Temperature • Indoor Low Temperature
Indoor High Humidity • Indoor Low Humidity

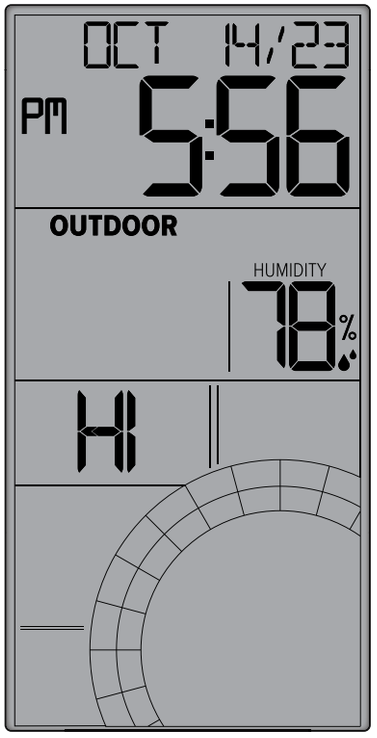
Outdoor HI Temp



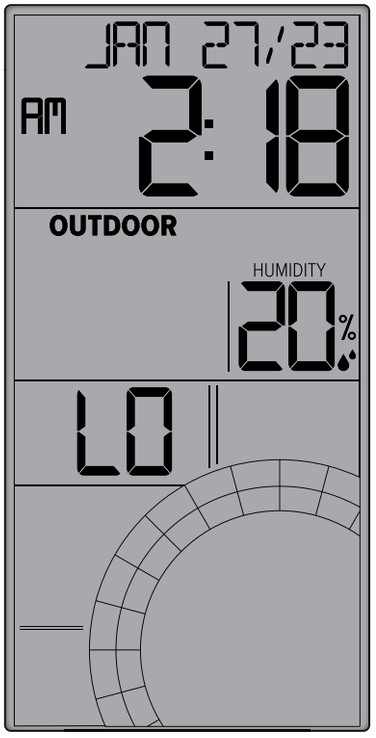
Outdoor LO Temp.



Outdoor HI Humidity



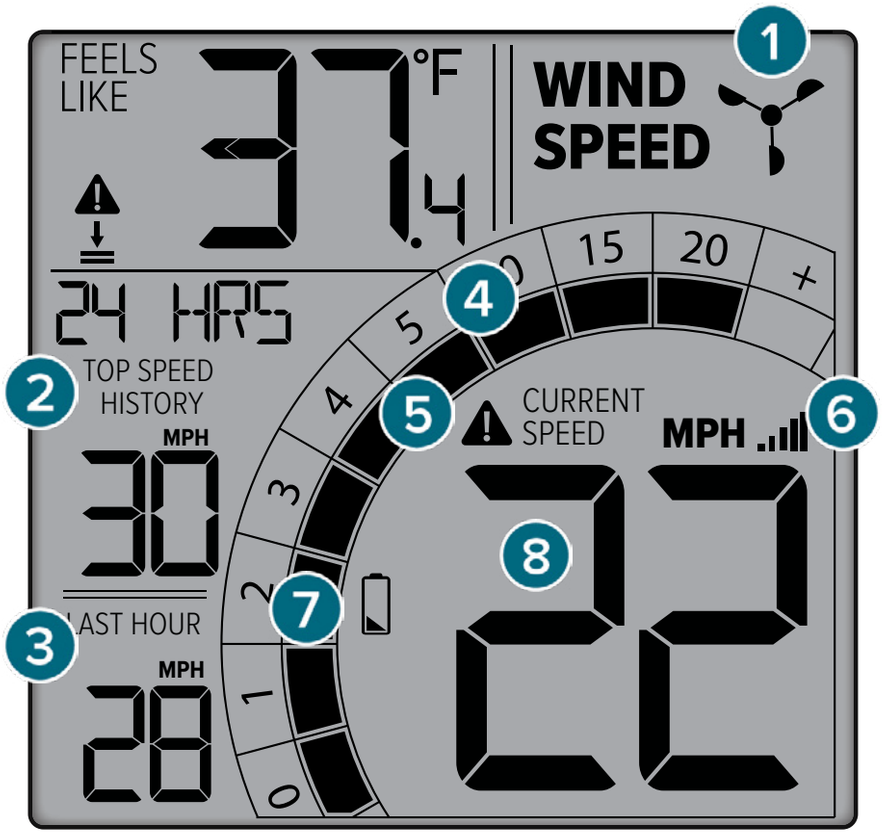
Outdoor LO Humidity



Reset Temperature/Humidity Records

1. Press the **IN/OUT** button to view the individual temperature & humidity values you'd like to reset.
2. Hold the **MINUS (-)** button until dashes appear.
3. The reading will then reset to the current value.

Wind Speed Readings



1. WIND CUP ICON

Wind Cup Icon will spin faster according to actual wind speed.

2. TOP SPEED HISTORY

Top Wind Speed for timeframe selected.

3. LAST HOUR

Top Wind Speed for the past 60 minutes.

4. WIND SPEED GRAPH

Segments will animate according to the current wind speed.

5. WIND SPEED ALERT ICON

Shows an Alert is armed.

6. RECEPTION ICON

Indicates the station is receiving data from the Glide Sensor.

7. LOW BATTERY ICON

Indicates low battery in the Glide Sensor.

8. WIND SPEED

Current Wind Speed.

Top Speed History

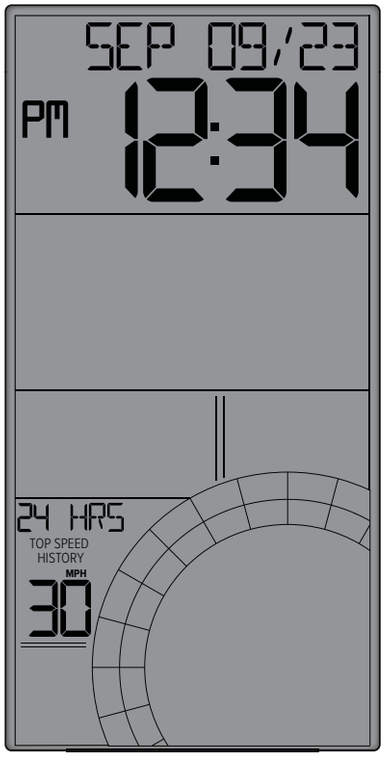
Viewing History

Press and release the **WIND** button to toggle through wind speed records with time and date stamps. The station will stay on the last history viewed.

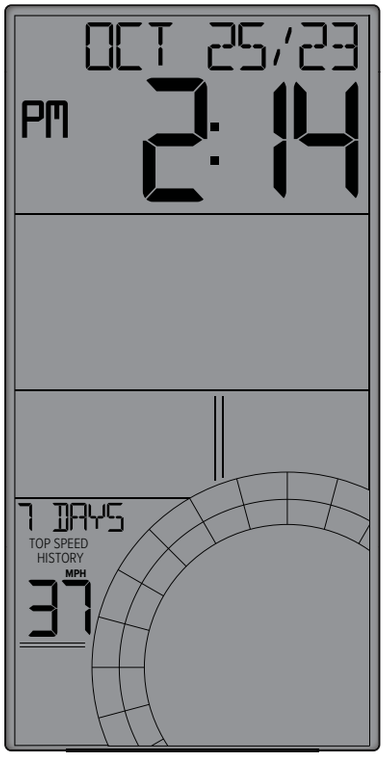
When viewing the Monthly Record, press and release the **PLUS (+)** button to toggle through the current and past 11 months of top speed records.

This station measures high wind speed records for the past 24 hours, 7 days, 1 month, and 1 year.

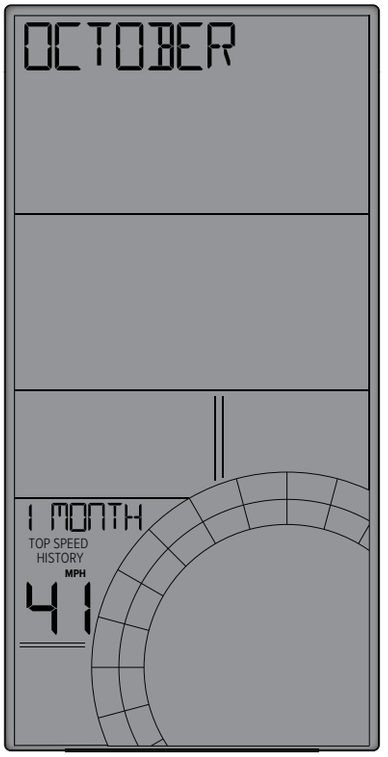
24 Hour Record Example



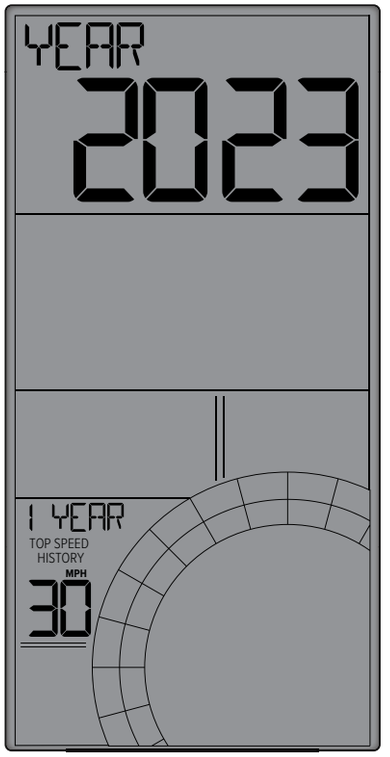
7 Days Record Example



1 Month Record Example



1 Year Record Example



Reset Wind Records

1. Press and release the **WIND** button to view the individual wind speed record you'd like reset.
2. Hold the **MINUS(-)** button until dashes appear.
3. The reading will then reset to the current wind speed value.

Custom Alerts

This station provides custom alerts for the following measurements:

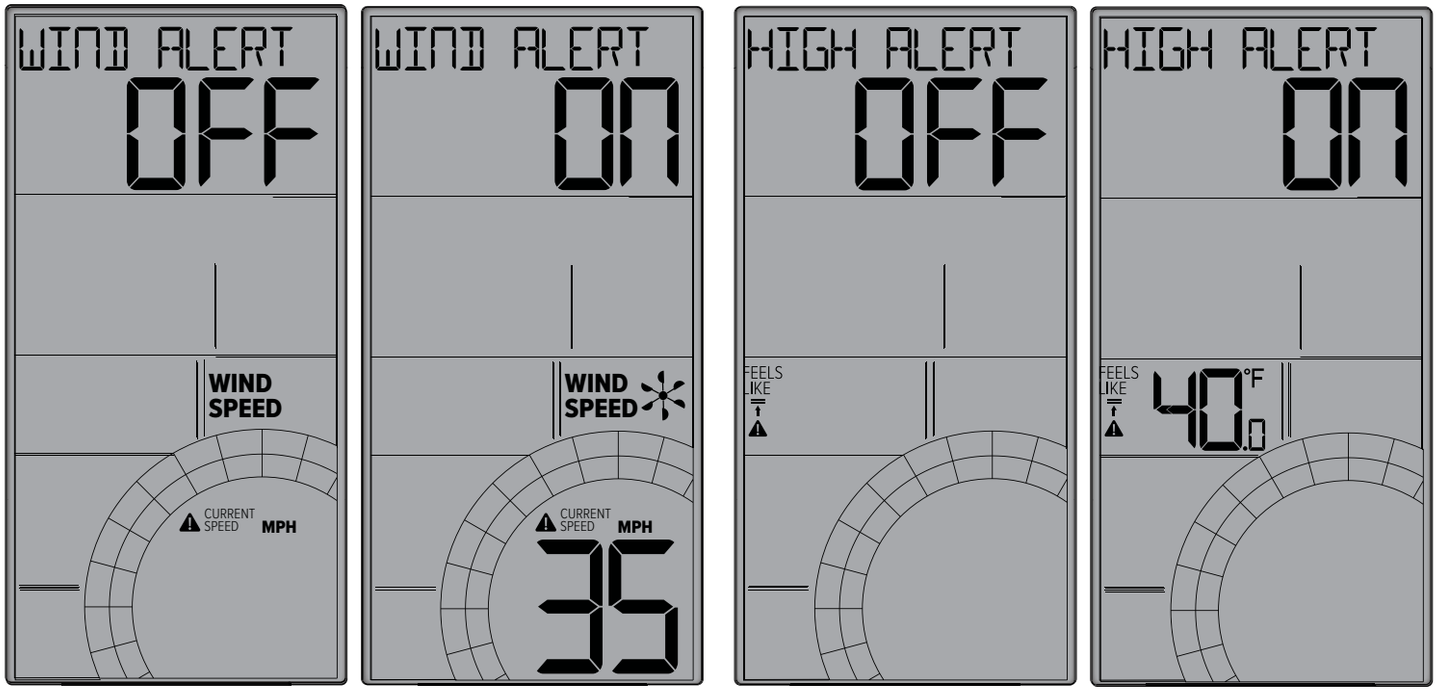
- High Wind Speed
- High Feels Like Temperature
- Low Feels Like Temperature

Set Alerts

1. Hold the **ALERTS** button to enter the Alert Settings Menu.
2. Use the **+/-** buttons to activate/deactivate individual alerts, or press the **ALERTS** button to skip to the next option.
3. Once activated, use the **+/-** buttons to adjust the values. Press the **ALERTS** button to confirm and move forward.

Wind Alert OFF/ON

Feels Like High Alert ON/OFF



Alert Icons
High Alert

Alert Icons
Low Alert

Triggered Alerts

- When an alert value is reached, the corresponding value and alert icon will flash on screen.
- The station will beep 5 times each minute until the value moves out of the alert range.
- Press any button to stop the alert sound.

Rain Sensor Connection

Purchase Add-on Rain Sensor TX145R

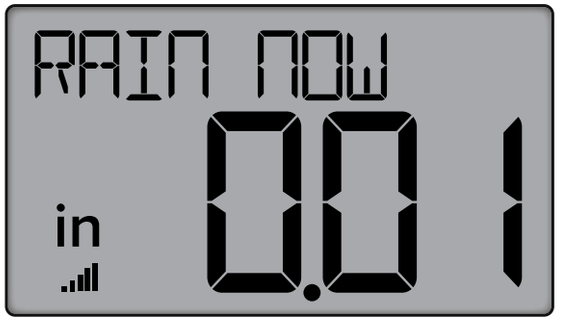
Visit bit.ly/327-1418bw_parts to find and purchase a compatible add-on rain sensor.

Add a Rain Sensor to Station:

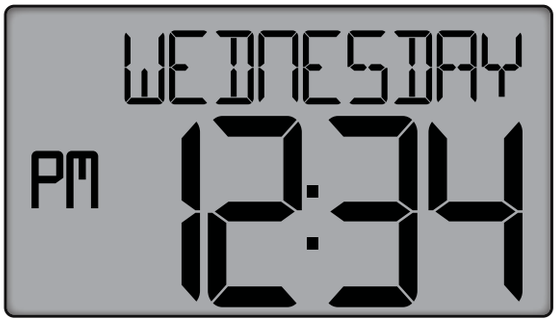
1. Install batteries into your Rain Sensor.
2. Hold the **PLUS (+)** button on the station until the Reception Icon starts to animate. This will start a search for all sensors.
3. Your sensor should connect within the next few minutes. Press the **EXIT/RAIN** button to view rain readings.

Note: When a rain sensor is connected, and Time is showing, when rainfall begins the station will automatically switch to the RAIN NOW readings. This will automatically return to the Time display once there has been no additional rainfall recorded for 15 minutes.

Rain Now (Current Storm)



Returns to Time when Rain stops



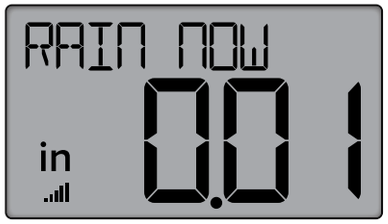
Note: When Rain is displayed, press and release the **SET/TIME** button to return to the Time display.

Viewing Rain History (add-on sensor required)

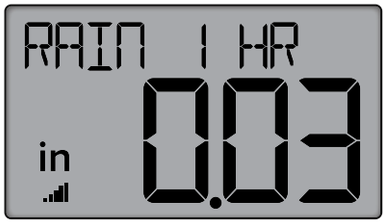
Press and release the **EXIT/RAIN** button to toggle through rain history records. The station will stay on the last history viewed.

When viewing the Monthly Record, press and release the **PLUS (+)** button to toggle through the current and past 11 months of rainfall totals.

Rain Now

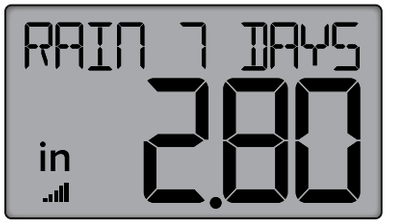


Rain Past 1 Hour

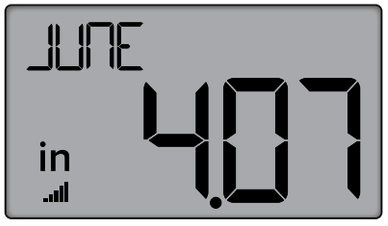


Rain Past 24 Hours

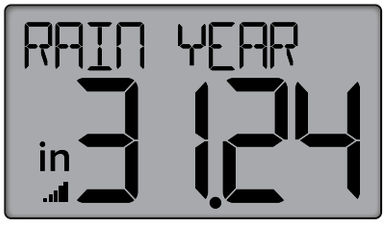
Rain Past 7 Days



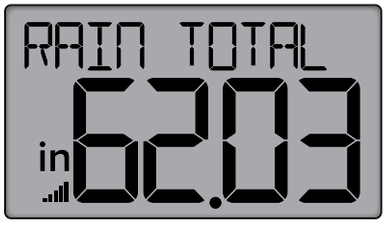
Rain 1 Month



Rain Year



Rain Total since Setup



Note: All rainfall history values will be reset after a battery change or restart.

Reset Rain Records

1. Press and release the **EXIT/RAIN** button to view the individual rainfall record you'd like reset.

2. Hold the **MINUS(-)** button until dashes appear.

3. The reading will then reset to zero.

Search for Sensors

If you are seeing “NO” or dashes for any sensor readings, please try the following steps:

1. Hold the **PLUS (+)** button to search for your outdoor sensor. The Reception Indicator will begin to animate.

2. If after 3 minutes the sensor still isn’t connected, bring the sensor inside next to the display and remove power from the sensor and station.

3. Press any button on the station 20 times and leave the parts sit for a few moments with the power off.

4. Install a new set of alkaline batteries into the sensor, then power up your station again.

5. If your sensor data is still not appearing after these steps, please contact our support staff. For additional help visit: bit.ly/basic_restart

Factory Restart

If your station is acting strangly, hold the **ALERTS** and **EXIT/RAIN** buttons together to factory restart your station.

Sensor Mounting

For Accurate Temperature/Humidity Measurements

- Insert a mounting screw through the hole at the top to securely mount the sensor. It can also hang from the back using a nail.
- Mount the sensor vertically in a protected well-shaded area. Keeping it out of direct weather elements such as sunlight, rain, snow, etc. will help avoid inaccurate readings.
- For additional protection against weather elements, a Sensor Weather Shield: bit.ly/weather-shield can be purchased separately.
- The maximum wireless transmission range to the station is up to 330ft (100m) in open air. This does not include walls, floors, or other large obstructions.
- For online video instructions, visit: bit.ly/th_sensor_mounting

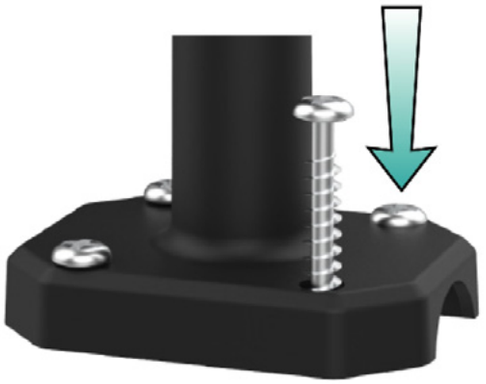
For Accurate Glide Sensor Measurements

- Ideally, the sensor should be mounted on the tallest object in your area. Avoid positioning it parallel or below eaves, rooflines, trees, or other objects that may obstruct wind readings.
- Make sure all the screws on the Mounting Bracket, Wind Cups, and Battery compartment are securely fastened.
- The sensor should be mounted with the Wind Cups on top.
- To optimize battery life, ensure the Solar Panel is facing the sun. The Solar Panel alone will not operate the sensor, batteries are required.
- The maximum wireless transmission range to the station is up to 330ft (100m) in open air. This does not include walls, floors, or other large obstructions.
- For more information visit: bit.ly/wind_sensor_mounting

Glide Sensor Mounting

Basic Installation

Fence posts, poles, decks, and mailboxes are common mounting options due to their convenience. Many users prefer these types of locations as the data they provide is accurate from their ground level. However, because the wind in these spots is often affected by obstructions, the readings may differ when compared to local reporting stations.



1. Mount the Mast to a flat surface with the four provided screws.

2. Place the Sensor on top of the Mast. Ensure the Solar Panel is facing the sun.

3. Secure the Sensor to the Mast by tightening the screws on the side.

Flexible Installation

Remove the Small Insert from the bracket and install the Short Arm with the Hand Screw in its place. Then secure the sensor to the Mast by tightening the screws on the side (step 3 above). Be sure no to lose the washer on the Hand Screw.

This configuration allows you to attach the sensor to angled locations and easily make adjustments to ensure the Mast and Sensor are level.

Specifications

Weather Station (327-1418BW)

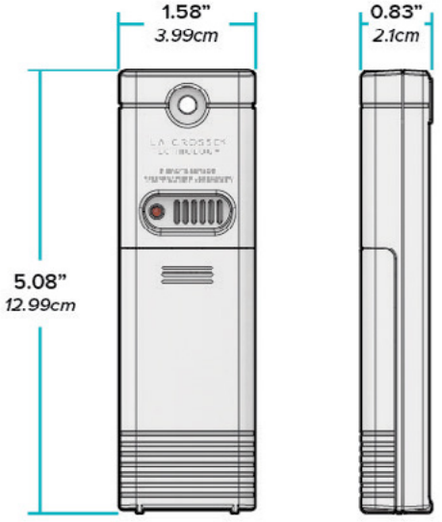
- Temperature Range:
  32°F to 122°F (0°C to 50°C)
- Humidity Range:
  10% - 99% RH
- Power:
  2-AA, IEC, LR6 batteries
  (not included)
- Battery Life:
  Over 12 months
- **Dimensions:**

3.78” L x 1.14” W x 7.02” H
(9.60cm L x 2.90cm W x 17.83cm H)

TH Sensor (TX141TH-Bv4

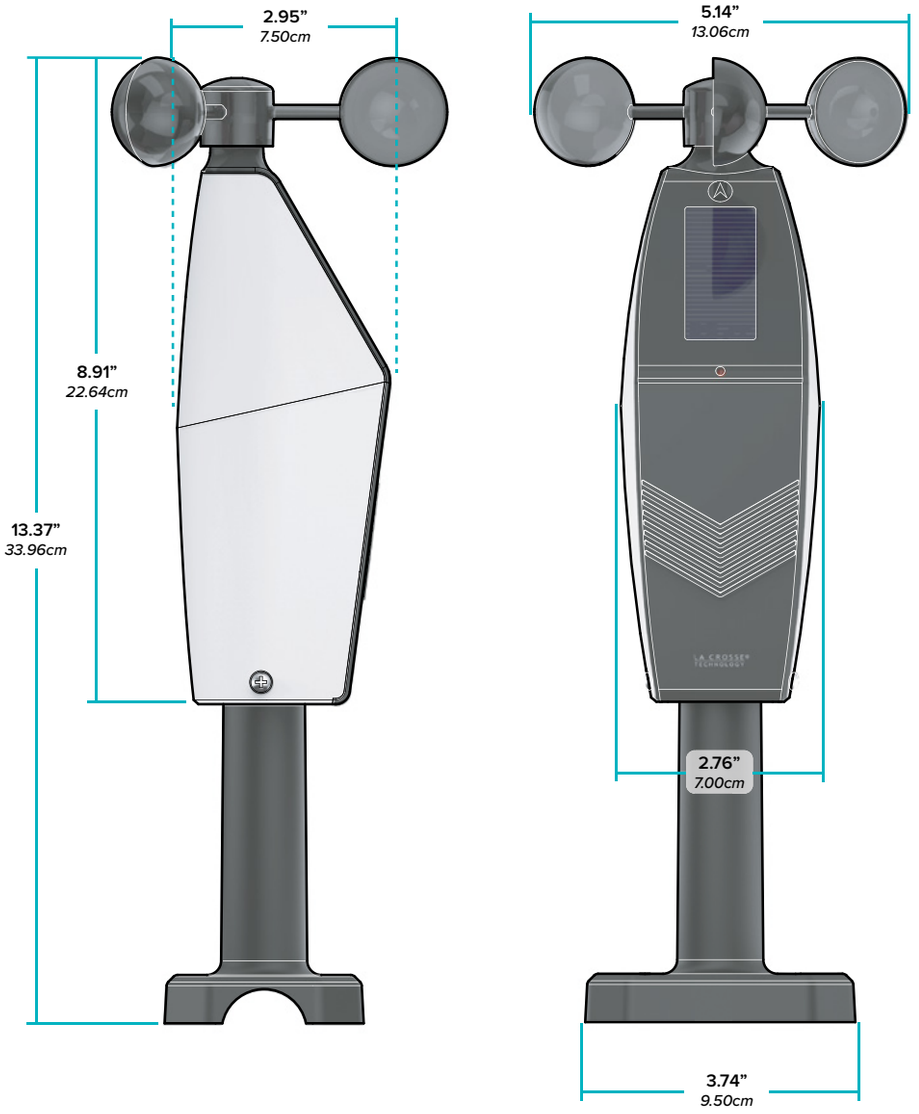
- Temperature Range:
  -40°F to 140°F (-40°C to 60°C)
- Humidity Range:
  10% - 99% RH
- Transmission Range:
  Over 330 feet (100 meters) in
  open air RF 433MHz
- Update Interval:
  About every 51 seconds
- Power:
  2-AA, IEC, LR6 batteries (not included)
- Battery Life:
  Over 24 months
- **Dimensions:**

1.58” L x 0.83” W x 5.08” H
(3.99cm L x 2.10cm W x 12.99cm H)



Glide Wind Speed Sensor (TX145W)

- **Wind Speed Range:**
  0 to 111 MPH (0 to 178 KMH)
- **Transmission Range:**
  Over 330 feet (100meters)
  in open air RF 433MHz
- **Update Interval:**
  About every 31 seconds
- **Power:**
  3-AA, IEC, LR6 batteries (not included)
- **Battery Life:**
  Over 36 months
- **Dimensions:**
  5.14” L x 5.14” W x 13.37” H
  (13.06cm L x 13.06cm W x 33.96cm H)



We’re Here to Help

If you require additional assistance, get in touch with our friendly customer support team based in La Crosse, WI.

Self Help: bit.ly/327-1418bw_support
Online: bit.ly/contact_techsupport
Phone: 1.608.782.1610

Our knowledgable customer support team is available:
Mon-Fri 8am-6pm CST

SCAN HERE
Additional Info and Support

Stay in Touch!

Ask questions, watch setup videos, and provide feedback on our social media outlets. Follow La Crosse Technology on YouTube, Twitter, Facebook and Instagram.

Warranty & Patents

La Crosse Technology, Ltd. provides **a 1-year limited time warranty** (from date of purchase) on this product relating to manufacturing defects in materials & workmanship.
La Crosse Technology, Ltd, 2830 S. 26th St., La Crosse, WI 54601

For Full Warranty Details, Visit:
www.lacrossetechnology.com/pages/warranty
Patents: www.lacrossetechnology.com/pages/patents

⚠ CA WARNING:

This product can expose you to chemicals including acrylonitrile, butadiene, and styrene, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to:
www.P65Warnings.gov

Care & Maintenance

When batteries of different brand or type are used together, or new and old batteries are used together, some batteries may be over-discharged due to a difference of voltage or capacity. This can result in venting, leakage, and rupture and may cause personal injury.

- Do not mix Alkaline, Lithium, standard, or rechargeable battteries.
- Always purchase the correct size and grade of battery most suitable for the intended use.
- Always replace the whole set of batteries at one time, taking care not to mix old and new ones, or batteries of different types.
- Clean the battery contacts and also those of the device prior to battery installation.
- Ensure the batteries are installed correctly with regard to polarity (+ and -).
- Remove batteries from product during periods of non-use. Battery leakage can cause corrosion and damage to this product.
- Remove used batteries promptly.
- For recycling and disposal of batteries, and to protect the environment, please check the internet or your local phone directory for local recycling centers and/or follow local government regulations.

FCC Statement

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.

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.

Caution!
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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FCC Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and consider removing the no-collocation statement

Canada Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
1) L'appareil ne doit pas produire de brouillage;
2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur.
Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

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