



TempTale® GEO X, XE, XP, XEP User Guide

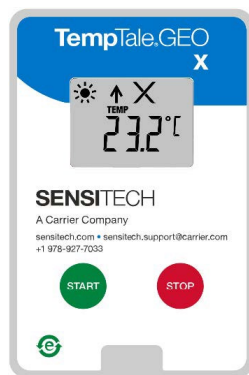


Table of Contents

Document Purpose	3
Start and Place a Monitor	3
Place Monitor on Shipment	3
Start Monitor	4
Mark an Important Event (Date Stamp)	4
Monitor Alarms	5
Stop and Receive a Monitor	5
View Monitor Statistics	6
Display Information	7
Manual Data Upload with the TempTale® Mobile App	8
When to Upload Data Manually	8
How to Upload Data Manually	9
Access Monitor Trip Data in SensiWatch® Platform	10

Document Purpose

This document provides instructions for how to operate the **TempTale® GEO X, XE, XP, XEP** monitor. This monitor can be programmed with customer start-up delays, measurement intervals, and time-temperature alarm settings.

Start and Place a Monitor

The TempTale® GEO X, XE, XP, XEP real-time IoT temperature monitors can be programmed with start-up delays, temperature measurement intervals, trip duration and time-temperature hardware alarm settings.

Place Monitor on Shipment

- Remove the protective paper from the adhesive strip on the back of the TempTale® GEO X and place it on the TOP of the LAST pallet loaded on the passenger side of the trailer, closest to the door.
- For air shipments in ULD containers, place the monitor on the top or top side of the pallet facing the door. This improves cellular communication.
- Place the probe of the TempTale® GEO XP and XEP monitor as close to your product or payload as possible.

NOTE: Keep the monitor's electronic housing away from the dry ice environment.

- An alternative mounting method is to use a tie-wrap placed through the upper left and right holes on the back panel of the device and affixed to a container.

Green label indicating Temperature Monitor Enclosed can be ordered from Sensitech.

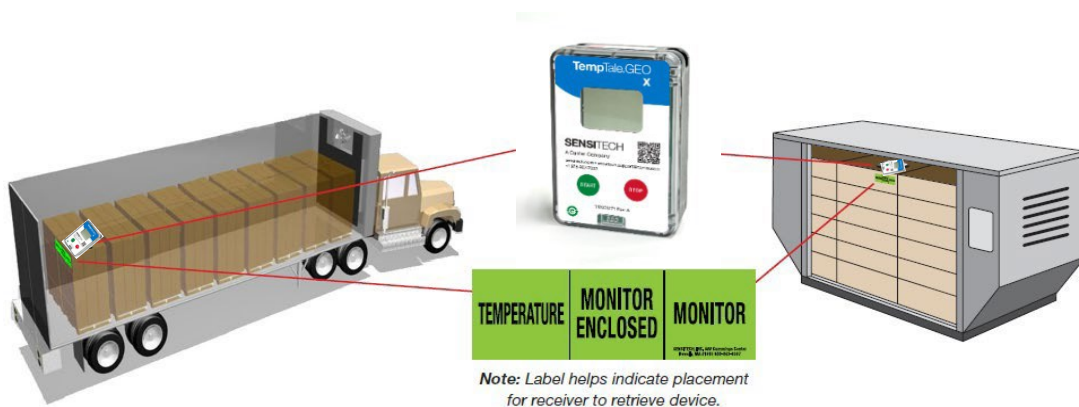


Figure 1

Start Monitor

- Press and hold the green **START** button for 1 to 3 seconds until the **Sunshine icon** ☀ appears and blinks on LCD screen (Figure 2).
- TempTale® GEO X begins to record data after the programmed **start-up delay icon** ⌚ and period passes.
- TempTale® GEO X operating life meets configured shipment trip length if the Start button is pressed by the Use by Date on the side label. On the side label, the number of DAYS below the **Use By Date** indicates the configured operating life once the device starts recording (Figure 3).

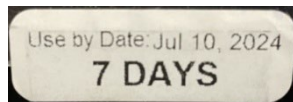


Figure 1



Figure 3

Mark an Important Event (Date Stamp)

To mark an important event while the monitor is recording, press and release the **START** button.



An Arrow icon appears briefly in the display and trip summary data will appear.

Monitor Alarms

 The icon appears when the monitor detects temperatures outside the programmed alarm limits:

- The **high**  icon displays if the high alarm is triggered.
- The **low**  icon displays if the low alarm is triggered.

 The icon displays when there is no alarm.

Stop and Receive a Monitor

1. Recover the TempTale® GEO X monitor, then press and hold the Red Stop button (1 – 3 seconds) to manually stop the monitor.
2. If the monitor is not stopped automatically, it will continue to record data.

If the monitor is not stopped manually, it will continue to record data until it reaches its factory configured trip length limit.

3. Verify that the **STOP** icon is visible on the display then press the **STOP** button.

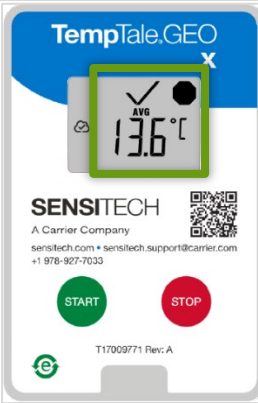
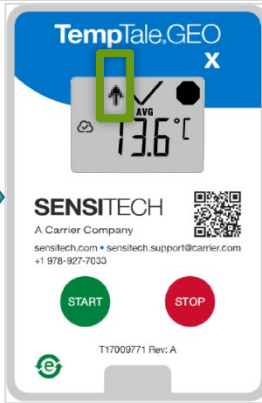
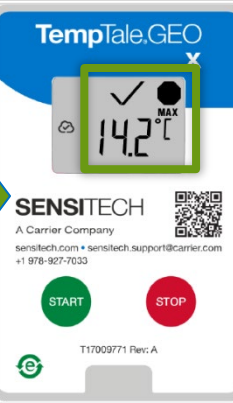
After the monitor is stopped, data starts transmitting to the cloud storage:

-  The final data from the TempTale® GEO X transmits to the Cloud, indicated with a blinking **Cloud** icon.
-  When data transmission from the TempTale® GEO X monitor to the Cloud is complete, the **Cloud with a check mark** icon appears and remains on the display.

View Monitor Statistics

Press and release the **START** button to cycle through the trip summary data. Data appears in the following order:

- Average temperature (**AVG**)
- Minimum temperature recorded (**MIN**)
- Maximum temperature recorded (**MAX**)
- Total time above high limit (▲ day/hr/min)
- Total time below low limit (▼ day/hr/min)
- Current temperature reading (if option is enabled)

			
Display: AVG Temperature Action: Press START button 1 sec.	Display: Up arrow; event is marked Action: Press START button 1 sec	Display: MIN Temperature Action: Press START button 1 sec	Display: MAX Temperature

Display Information

1. Upload to Cloud Complete After Monitor is Stopped

2. Temperature display indicator

3. Running ☀

4. Start-up delay ⌚

5. Marked point ↑

6. Alarm Status:

X = alarm(s);

✓ = no alarm(s)

7. Stopped recording

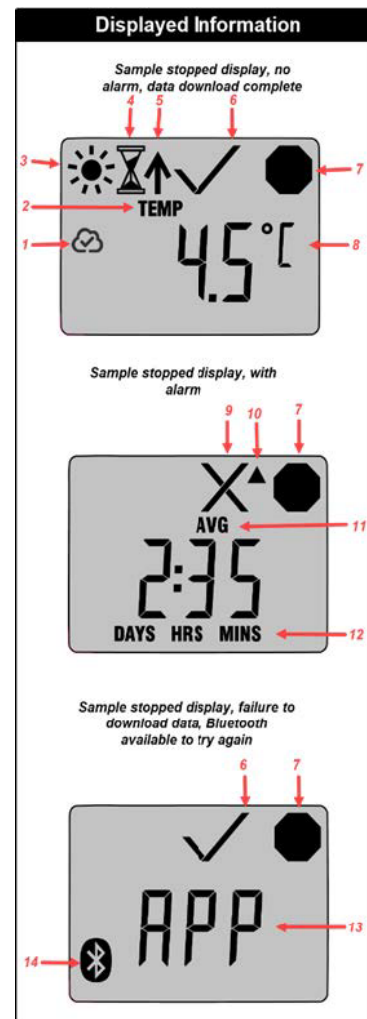
8. Current temperature (pre-programmed to display C or F)

9. Alarm Status - alarmed

10. ▲ Up arrow High alarm triggered

11. View Statistics After Monitor is Stopped - **Avg/Min/Max** temperatures recorded

12. Total time above/below alarm limits



13. **APP** – Use TempTale® APP and smartphone to download final data using Bluetooth connection to the Cloud

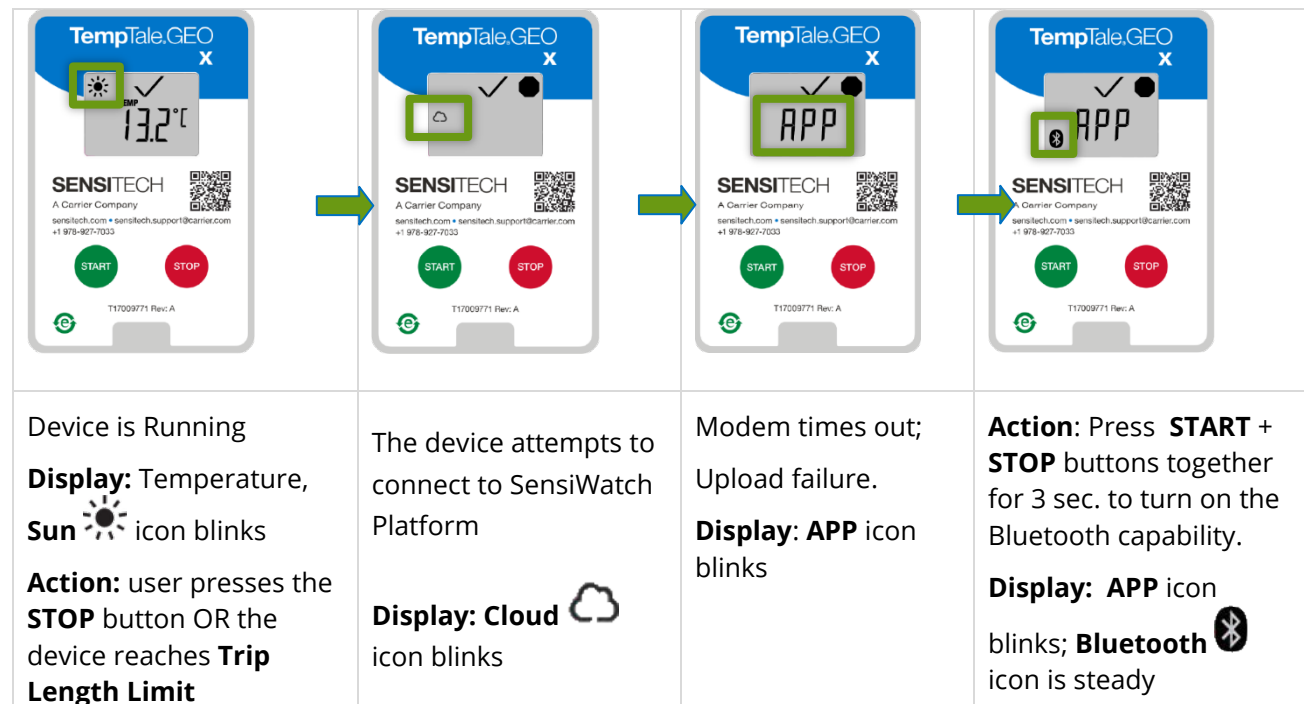
14. Bluetooth On - ready to download monitor data to the TempTale® App

Manual Data Upload with the TempTale® Mobile App

This section describes when and how to upload data manually with the TempTale® Mobile App.

When to Upload Data Manually

The following display sequence indicates that the data was not automatically uploaded to the cloud and must be uploaded manually using the TempTale® Mobile App. The **APP** icon and blinking **Bluetooth** icon appear on the display.



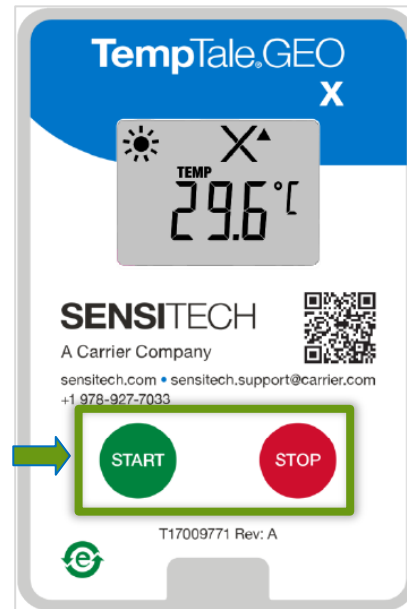
How to Upload Data Manually

This section describes how to upload data manually with the TempTale® Mobile App.

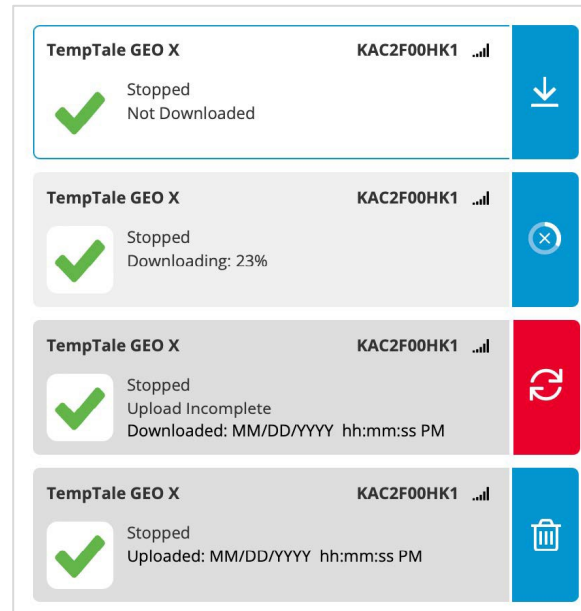
Follow these instructions **only** if see the **APP** and the blinking **Bluetooth**  on display.

Download the TempTale® Mobile App from the Apple App Store or Google Play by scanning the QR code on the front label of the monitor.

To communicate with the TempTale® Mobile App on a smart phone or tablet, on the TempTale® GEO X press the Green Start and Red Stop buttons at the Same Time.



1. Open the TempTale® Mobile App, you will see the following on display:
 - The **Bluetooth** icon  blinks on the display, indicating TempTale® GEO X can communicate with the TempTale® Mobile App.
 - The **APP** icon stays on the display.
2. Select the card with TempTale® GEO X serial number to download the monitor data to the APP by selecting the down arrow.
 - The App confirms the TempTale® GEO X is Stopped and Uploaded to the Cloud.



- The **APP** icon remains on the display, and the **Bluetooth** icon  disappears.

Access Monitor Trip Data in SensiWatch® Platform

TempTale® GEO X real-time Trip and Monitor visibility is provided in SensiWatch® Platform while in-transit, based on the reporting interval, displaying temperature, humidity, light and location data.

1. Login to SensiWatch® Platform (www.sensiwatch.com) to view trips and check for the status and alarm condition of the TempTale® GEO X monitor.



2. View or search for the TempTale® GEO X monitor by serial number to see its status, alarms, and location.

For Public Trips (without login credentials), go to SensiWatch® Platform (www.sensiwatch.com). At the bottom of the page, type the TempTale® GEO X serial number into Track Public Trip to see the Trip and TempTale® GEO X monitor and alarms.

Track Public Trip