



TEMPEST
200

User Guide

V1.1

November, 2024

An
EXPOSENSIA
Product

Safety Disclosures

- **INGESTION HAZARD:** This product contains button cell or coin battery.
- **Death** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH OF CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.
- Battery is not user replaceable or repairable.



FCC Caution

PRODUCT MODEL: TMPST-200-0001

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.

NOTE 1: 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:

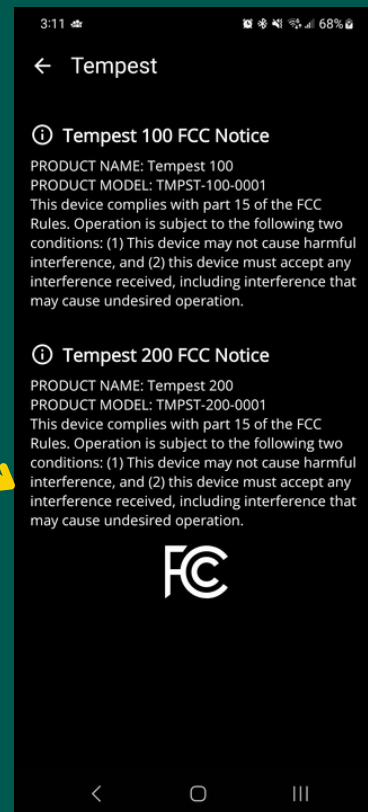
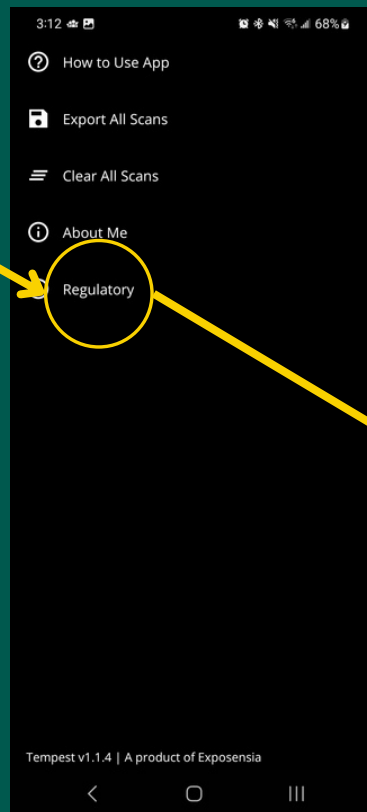
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



FCC E-label

The app associated with this device contains an E-label with FCC compliance information. The images below show how to reach this information in the Android App.



Tempest 200 Specifications

Included Items

- Tempest 200 datalogger
- Adhesive mounts

Required Items

- Smartphone with Android or iOS and NFC capability
- Exposensia Tempest app

Specification

Value

Resolution

1°F and 1% RH

Accuracy

±0.4°C (±0.72°F), ±3.0% RH

Operating Range

-40 to 185°F

Environmental

Waterproof (IP67).

Dimensions

1.50x1.70x0.51" + hang tag

Weight

20.6g (0.73oz)

Battery

Extended temp CR2032

Battery Life

>10 years typical

Operation Modes

Start logging immediately, at date/time, or when temperature rises or falls past threshold. Stop logging when full, after number of datapoints, at date/time, or overwrite oldest data

Alarms

High and low temperature and humidity

Sample Period

2 minutes to 12 hours



TEMPEST

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Tempest 200 Specifications

<u>Specification</u>	<u>Value</u>
Cumulative Exposure Monitoring	Maximum and minimum temperature recorded. Total time spent in temperature bins from -40°F to 165°F with typical width of 5-6°F. Total time spent in humidity bins from 0 to 100% RH with 5% width. Resettable on command via app
Mean Kinetic Temperature	Always recorded and resettable.
Heat Index & Dew Point	Calculated if both temperature and humidity logging enabled
NIST Traceable Sensor	Yes
Unit Tracking	Guaranteed unique ID, configurable serial number, and configurable text description per unit
Memory	3,933 datapoints

Tempest 200 Use

1. Download the App



Coming Soon!

Android

Or

iOS

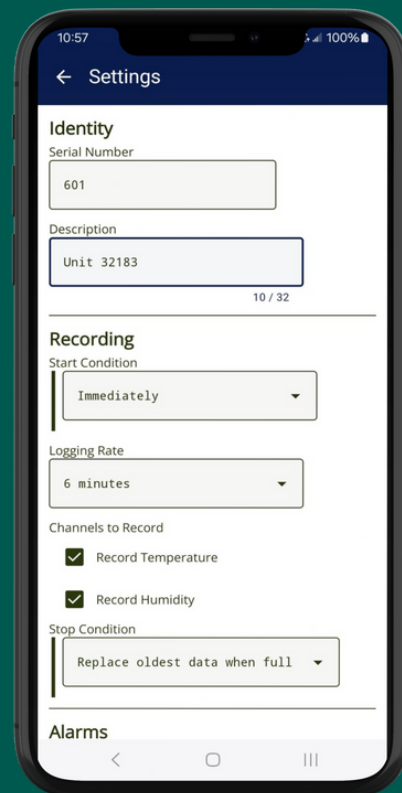
2. Scan Your Device



Tempest 200 Use

3. Configure Tempest 200

- Open settings on app
- Chose desired settings
- Click apply
- Hold phone against Tempest 200 until success confirmed



Tempest 200 Use

4. Install Tempest 200



Install Tempest one of two easy ways:

- Hang using hang tag
- Mount to surface using double-sided adhesive mount

Tempest 200 Use

5. View Your Data

- Hold phone against Tempest 200 until all data is read
- Click on unit card to view settings, exposure histogram, min/max, alarms, MKT, and more
- Click on History button to view time history data if enabled



Tempest 200 Troubleshooting

Q: I can't get my Tempest 200 to scan.
What do I do?

A: We are sorry to hear you are having trouble with your device. Make sure NFC is enabled on your smartphone and try removing any case you have on your phone. If you still are having issues, please reach out to us at info@exposensia.com.

Q: How do I turn on my Tempest 200?

A: Tempest 200 is always turned on, so there is nothing you need to do!

