



TEMPEST
100

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.



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FCC Caution

PRODUCT MODEL: TMPST-100-0001

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:

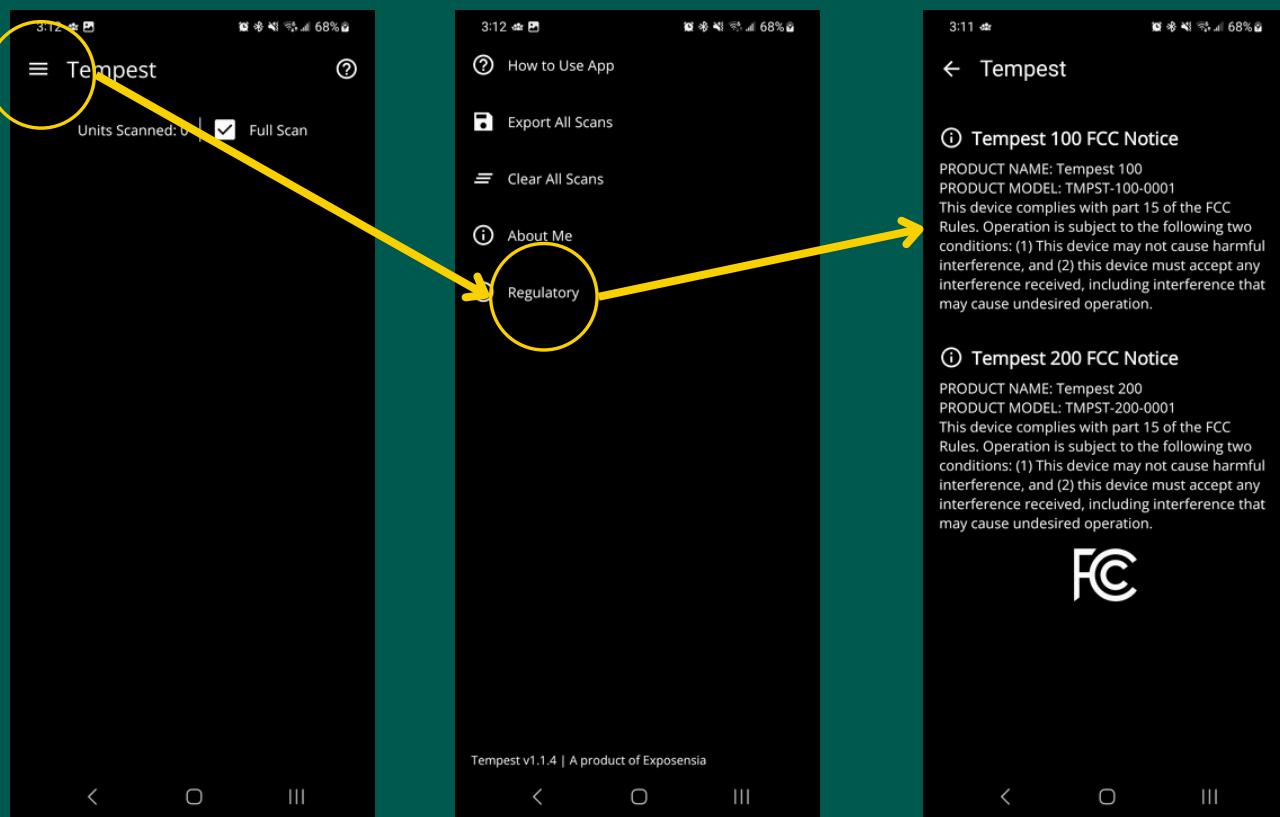
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

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 100 Specifications

Included Items

- Tempest 100 datalogger
- Adhesive mounts

Required Items

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

Specification

Resolution
Accuracy
Operating Range
Environmental
Dimensions
Weight
Battery
Battery Life
Operation Modes
Alarms
Sample Period
Memory

Value

1°F
±0.4°C (±0.72°F)
-40 to 185°F
Waterproof (IP67).
1.50x1.70x0.51" + hang tag
20.6g (0.73oz)
Extended temp CR2032
>10 years typical
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
High and low temperature
2 minutes to 12 hours
7,948 datapoints



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Tempest 100 Specifications

Specification

Value

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. Resettable on command via app

Mean Kinetic
Temperature

Always recorded and resettable.

Unit Tracking

Guaranteed unique ID, configurable serial number, and configurable text description per unit



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EXPOSURE SENSING

Tempest 100 Use

1. Download the App



Android

Or

iOS

Coming Soon!

2. Scan Your Device



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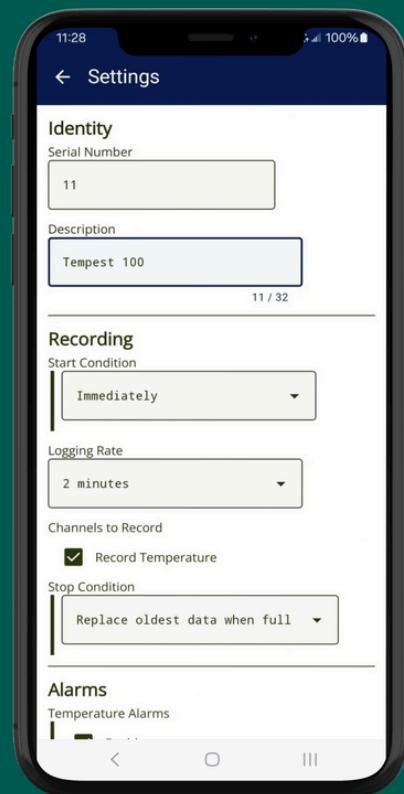
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Tempest 100 Use

3. Configure Tempest 100

- Open settings on app
- Choose desired settings
- Click apply
- Hold phone against Tempest 100 until success confirmed



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Tempest 100 Use

4. Install Tempest 100



Install Tempest one of two easy ways:

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



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Tempest 100 Use

5. View Your Data

- Hold phone against Tempest 100 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 100 Troubleshooting

Q: I can't get my Tempest 100 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 100?

A: Tempest 100 is always turned on, so there is nothing you need to do!



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