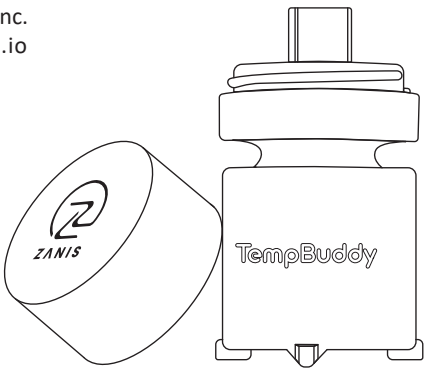
Infrared Forehead Thermometer

# TempBuddy

# *Full User Manual*

Zanis Tech Inc.
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**Model:** ZTP-800
**Contact:** info@zanis.io
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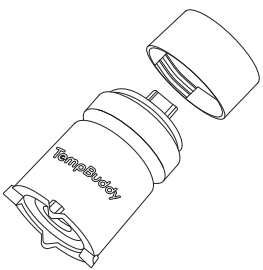
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# Product Description and Intended Use

The TempBuddy ZTP-800 is a modern non-contact infrared thermometer that connects to a mobile device to quickly measure body or object temperature. This smart thermometer draws power from your phone (no batteries required) and uses a precise infrared sensor to provide instant readings with high accuracy up to ±0.1°C (±0.18°F) for body measurements. Its compact, portable design and companion smartphone app allow you to monitor and track temperatures, without the need for traditional battery-powered or mercury thermometers.



**Intended Use:**

The TempBuddy ZTP-800 is intended for the intermittent measurement of human forehead temperature in people of all ages, for use in home and clinical settings. The device is intended to be used by adults on themselves or others. It detects infrared heat from the forehead skin to estimate core body temperature.

**Object Mode:**

The device may also be used in "Object Mode" for the non-medical measurement of surface temperatures of objects (e.g., baby bottles, bathwater) within the device's specified range.

**Intended Purpose:**

This product is a thermometer intended to provide users with a convenient, contactless method of temperature tracking. It is not intended to diagnose, treat, mitigate, or prevent any disease or medical condition. Please refer to the Medical Disclaimer section for detailed information.

## Symbols

| Symbols | Description |
|---|---|
|  | Medical device manufacturer |
|  | The authorized representative in the European Community/European Union |
|  | Date of manufacture |
|  | The date after which the medical device is not to be used |
|  | Batch/Lot number |
|  | Serial number |
|  | Necessity for the user to consult this instruction manual |

| Symbols | Description |
|---|---|
|  | Need for the user to follow this instruction manual thoroughly for your safety |
|  | Applied Part Type BF: Defibrillation-proof, electrically isolated patient connection. |
|  | Waste Electrical and Electronic Equipment. Do not dispose of with household waste. |
| IP22 | Ingress Protection: Protected against solid objects greater than 12.5mm and dripping water. |
|  | the temperature limits to which the medical device can be safely exposed |
|  | the range of humidity to which the medical device can be safely exposed |
|  | the range of atmospheric pressure to which the medical device can be safely exposed |
| MD | the item is a medical device |
|  | Caution is necessary when operating the device or control close to where the symbol is placed, or that the current situation needs operator awareness or operator action in order to avoid undesirable consequences |
|  | The medical device needs protection from light sources |
|  | The medical device needs to be protected from moisture |

## Package Contents

Each TempBuddy ZTP-800 package includes the following items:

- **TempBuddy ZTP-800 Infrared Thermometer** – 1 unit
- **Protective Carry Pouch** – 1 unit (soft storage bag for the device)
- **Brief User Manual** – 1 unit
- **Full User Manual** (this booklet) – 1 unit

# Precaution

Before using the ZTP-800 thermometer, read and follow these precautions to ensure accurate readings and prevent misuse or damage.

### Minimize Hand Contact for High-Precision Readings

The ZTP-800 is a high-precision infrared thermometer. To maintain accuracy, avoid holding it in your hand for long periods before use. Body heat can slightly warm the sensor and reduce precision. Keep the device at room temperature on a stable surface until you are ready to measure, and minimize hand contact just before scanning.

### Environment

Use the device indoors in a stable ambient temperature between **10 °C and 35 °C (50 °F–95 °F)**. Let both the thermometer and user acclimate in the same room for **20 minutes** before use. If stored in extreme heat or cold, rest it at room temperature for **30 minutes**. Keep away from moisture, dust, and direct sunlight.

### Forehead Conditions

Make sure the forehead is **clean, dry, and uncovered**. Remove hair, hats, or sweat before measuring. Allow the skin to cool and dry if overheated. The thermometer is **non-contact** — do not press it against the skin.

### Proper Use

Use the thermometer only for measuring forehead or surface temperatures in **Object Mode**. Do not modify or use unapproved accessories. Avoid extended hand contact before measurement to prevent heat transfer to the sensor.

### When Inaccurate Readings May Occur

Avoid measuring right after exercise, bathing, or eating hot/cold foods. Wait **20 minutes** after coming indoors from extreme weather. Do not measure when the forehead has been exposed to sunlight, fans, or air conditioning until the skin returns to room temperature. Keep the person **still and quiet** during measurement.

### Device Care and Maintenance

Handle the thermometer gently. Do not drop, disassemble, or attempt repair — there are **no user-serviceable parts**. If the housing or lens is cracked, stop using and contact support.

### Optics and Cleaning

Keep the infrared sensor window clean. Do not touch the lens directly. Clean with a soft, dry cloth or alcohol wipe. Never submerge the thermometer in liquid; it is **not waterproof.**

## Warning ⚠

Read these warnings carefully to prevent injury or device damage.

**Electromagnetic and Environmental Hazards**

Do not use near strong electromagnetic sources such as microwaves, MRI or CT equipment, RFID systems. Avoid oxygen-rich or flammable environments, which may cause malfunction. If interference is suspected, move to another location and remeasure.

**Power Connection**

Connect the thermometer **only to a smartphone's USB-C port**. Do not attach it to a USB hub, wall charger, power bank, or converter. Use of unauthorized power sources may **damage** the device and void the warranty.

**Child and User Safety**

Keep the thermometer and cables away from infants and small children. Small parts may cause **choking**, and cables can present a **strangulation risk**. Use only under adult supervision.

**Intended Use Limitation**

The ZTP-800 is designed for **temperature monitoring only**, not for diagnosis or treatment. If results seem abnormal or symptoms persist, repeat the measurement and seek medical advice. Do not rely solely on one reading for medical judgment.

**Consulting a Professional**

Always interpret results with care. If fever or illness continues, consult a healthcare provider. See the **Medical Disclaimer** section for more details.

**Warning:** This device is intended to assist in monitoring temperatures, but it **does not diagnose illness**. High fevers or persistent symptoms should be evaluated by a healthcare professional.

## How to Take a Measurement

Follow these step-by-step instructions to ensure accurate temperature measurements with your TempBuddy ZTP-800. Alternatively, you can scan the QR code below and watch the instructional video.

Instructional Video

Watch the video for step-by-step guidance

**1. Prepare the App:** Make sure you have downloaded and installed the **Zanis TempBuddy** mobile app on your smartphone (see **Installation Instructions** if not done yet).

**2. Connect the Device:** Plug the TempBuddy ZTP-800 thermometer into your phone's USB-C port. Ensure it is fully seated in the connector. The thermometer draws a very small amount of power from your phone to operate.

Once device in connected, the app pops up automatically. Ensure the app is set to the correct mode for what you want to measure:

- **Body Mode** (default) – for human forehead temperature.
- **Object Mode** – for surface/object temperatures (e.g. baby formula, bath water).
- On **Android phones**: When you connect the device for the first time, you may see a pop-up message asking if you want to allow the TempBuddy app to access the USB device. Check the option to **"Always open Zanis TempBuddy when this USB device is connected"** if you wish, then tap OK to allow the connection. This will automatically launch the app whenever you plug in the thermometer in the future, saving you time.
- On **iPhone (iOS)**: Once device is connected grant access to the app. Note: The ZTP-800 is compatible with iOS devices that have a USB-C port (iPhone 15 and newer).

**3. Posture and Aiming:** Hold your phone such that the TempBuddy sensor is pointed toward the person's forehead. The individual should be calm, with their head still.

● Remove any hair or obstacle from the person's forehead. The ideal target is the center of the forehead or slightly above the eyebrow line, directly over the temporal artery area.

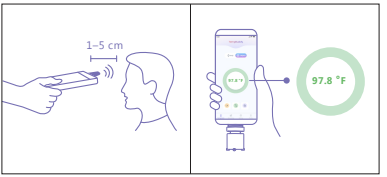
● Distance: Position the thermometer 1– 5 cm (approximately 0.5–1.97 inches) away from the center of the forehead. (For object measurements, hold the sensor 1–5 cm from the object's surface.) Do not touch the skin with the device; maintain the short distance gap. The app's on-screen guide may help indicate if you are in the correct range.

**4.Measure:** Once properly aimed, initiate the measurement via the app:

● In the TempBuddy app, tap the "**Scan**" button. The screen will indicate that a reading is in progress (this takes about half a second). Keep the device steady and pointed at the forehead during this moment.

● You will hear a soft "**beep**" (or see a visual cue) when the measurement is complete. The reading will display on the app's screen instantly. For example, you might see a temperature like **37.2°C** along with a color indicator (green, yellow, or red) signifying normal, elevated, or high temperature ranges.

| This is for infromational purpose only and is not a diagnostic assessment of health status. |
|---|
| Green <37.3°C/99.14°F |
| Yellow 37.3°C/99.14°F to 37.9°C/100.2°F |
| Red >37.9°C/100.2°F |




**5. Read and Record**: Observe the temperature reading on the app. You can create profiles and save the reading to profile assigned for the person you took a reading. If the reading is unusually low or high, you may take a second measurement for confirmation, ensuring that the person's forehead and the device are in proper condition (see **Precaution section** above for factors that can affect accuracy).

● If you get a **"Lo" or "Hi" error** reading, it means the detected temperature was outside the measurable range (too low or too high). Ensure you are in the correct mode (Body vs. Object) and that you followed the measurement procedure correctly, then try again. "Lo" could indicate the sensor picked up too little infrared heat (possibly the distance was too far or aimed off target), whereas "Hi" indicates the reading exceeded the top of the range (could happen if measuring a very hot object in body mode, for instance).

**6. Units and Calibration:** The TempBuddy app allows you to switch the temperature unit between Celsius and Fahrenheit as needed (check the app settings). The ZTP-800 thermometer is factory-calibrated and **does not require any manual calibration** before use. If you suspect the readings are off, do **not** attempt to calibrate it yourself; contact customer support for assistance.

**Note:** For consistency, measure temperature on the same spot (forehead) with the same conditions each time. Do not compare an oral thermometer reading to a forehead reading one-to-one, as normal ranges differ by site. Forehead (temporal) temperatures typically run about 0.5 °C lower than core internal temperature.

Always report to your doctor the method by which a temperature was taken (e.g., "forehead infrared thermometer") so they can interpret it correctly.

If the app provides additional guidance or troubleshooting tips (e.g., if it detects the device is not centered or too far, etc.), follow those on-screen instructions as well.

## Understanding Your Reading:

Normal body temperature is not a single number. It can vary naturally due to factors like age, time of day, physical activity, and individual physiology.

Therefore, use the measured value as a reference point. Focus on trends over time and how you feel, rather than a single reading. Always consult a healthcare professional for a diagnosis.

## App Usage

The TempBuddy mobile application is an integral part of using the ZTP-800 thermometer. It enhances functionality by allowing you to record, track, and manage temperature data conveniently. This section provides a brief overview of the app's key features and integration with the device.

Compatible with: Android USB-C & From iPhone 15

Made for iPhone

For Android

**Important Note on App Features:** The TempBuddy app provides tools for data tracking and management. Please note that any color-coding or trend indicators are for your reference only and must not be used for self-diagnosis. Additional features for symptom and medication tracking are not part of the certified medical device function and are not covered by this instruction for use.

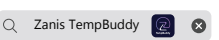
● **App Installation:** Download the **latest version** of the "Zanis TempBuddy" app from the **Apple App Store** (for iPhone) or **Google Play Store** (for Android).

Search for "Zanis TempBuddy" or scan the QR codes below. Always ensure you are using the most up-to-date version to maintain compatibility and accuracy. As of the date of issuing this manual, the current app version is v1.3.2.

Once installed, launch the app and create a user account if desired (an account allows data syncing and backup but is not required for operation).

App for iPhones






OR search "Zanis TempBuddy" on the App Store

App for Androids



Zanis TempBuddy

OR search “Zanis TempBuddy” on the Google Play Store

## App Features

The TempBuddy app includes a range of tools to help you get the most out of your thermometer:

- **Instant Measurement Display**

When taking a reading, the temperature is displayed instantly on your smartphone screen with color coding (green for normal, orange for elevated, red for high). Recorded readings automatically include time and date.

- **Multiple User Profiles**

Create profiles for different family members to keep individual temperature histories separate. Each profile can include name, age, and a photo for easy identification.

- **Reminders and Notifications**

Set reminders for temperature checks or other follow-ups. The app sends push notifications at scheduled times, helping you stay consistent when monitoring someone’s condition.

- **Temperature History and Graphs**

All recorded temperatures are saved and can be viewed as lists or graphs. Graphs display temperature trends over time, allowing you to monitor changes over the last 24 hours, 7 days, or 30 days.

● **Data Export**

Export temperature logs as **PDF reports** to share with your doctor or store for records. Data can be sent by email or saved to your preferred cloud service directly from the app.

**Note on Additional Features**

The app also includes additional health management features for your convenience, such as symptom and medication tracking. The use of these features is governed by the App's End User License Agreement (EULA) and Privacy Policy, available within the app. These additional functions are not part of the medical device and are not covered in this Instruction for Use.

## Medical Disclaimer

The ZTP-800 and its companion app are designed to assist in monitoring body temperature. They do not diagnose, treat, or cure any condition. Always consult a healthcare professional for medical advice or interpretation of temperature readings.
Do not rely solely on this device for critical health decisions. In case of persistent fever, severe symptoms, or emergency situations, seek professional medical attention. Use of the ZTP-800 implies acceptance of these limitations. See our full Medical Disclaimer at
https://zanis.io/pages/medical-disclaimer.

## Technical Specifications

● **Model:** ZTP-800

● **Measurement Method:** Non-contact infrared sensing (forehead temporal artery area for body mode; general IR surface measurement for object mode). Uses an IR sensor to detect thermal radiation.

● **Measurement Accuracy:** (In stable ambient conditions, as per standard laboratory testing)

◦ **Measurement Accuracy**

ZTP-800 body mode accuracy is influenced by Relative Humidity (RH), Room Temperature (RT), and Object Temperature (OT — equivalent to forehead skin temperature).

**When 20% ≤ RH ≤ 70%**, accuracy is defined by the table below:

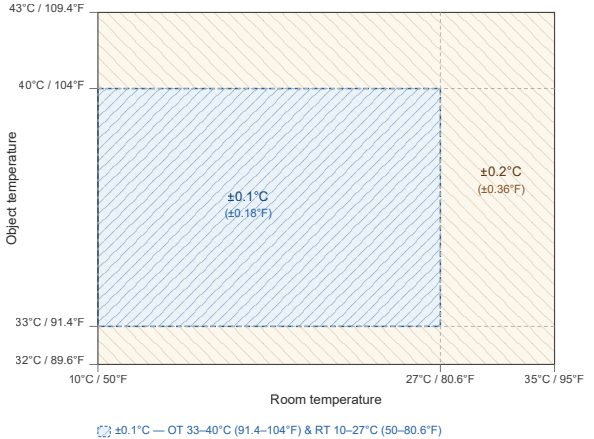



***Table 1.*** *ZTP-800 accuracy as a function of Room Temperature and Object Temperature.*

**When RH < 20% or RH > 70%**, body mode accuracy falls to **±0.3°C (±0.54°F)**.

***Note:*** *Accuracy specifications are valid only when the guidelines in the* ***Precaution*** *section of this user manual are observed.*

● **Measuring Site:**
◦ **Body Mode:** Center of forehead (recommended) at 1–5 cm (0.5–1.97 inches) distance.
◦ **Object Mode:** Surface of objects/liquids at 1–5 cm (0.5–1.97 inches) distance.

● **Temperature Measurement Range:**
◦ **Body Mode:** 32.0 °C to 42.9 °C (89.6 °F to 109.2 °F)
◦ **Object Mode:** 0 °C to 100.0 °C (32 °F to 212 °F)

◦ **Object Mode:** ±0.3 °C (±0.54 °F) for object temperatures from 20 °C to 60 °C (68 °F to 140 °F); Up to ±1.0 °C (±1.8 °F) for objects from 0 °C to 20 °C (32 °F to 68 °F) and 60 °C to 100 °C (140 °F to 212 °F).

● **Response Time:** ≤ 0.5 seconds.
● **Operating Conditions:**
◦ **Ambient Temperature:** +10 °C to +35 °C (50 °F to 95 °F) for accurate operation. Using it outside this range may result in unreliable readings or the device may display an error.
◦ **Relative Humidity:** ≤ 85% RH non-condensing. (High humidity can affect infrared readings if condensation forms; avoid use in steam or very high humidity environments.)
◦ **Atmospheric Pressure:** 70 kPa to 106 kPa (this covers altitudes from below sea level up to about 3,000 meters). Extreme altitude (pressure) changes have minimal effect on IR thermometers, but this is the tested range.

● **Storage and Transport Conditions:**
◦ **Temperature:** -25 °C to +55 °C (-13 °F to 131 °F).
◦ **Relative Humidity:** ≤ 95% RH (non-condensing). Store in a dry place; avoid long-term exposure to very humid conditions to protect electronics.
◦ **Pressure:** 70 kPa to 106 kPa

● **Power Supply:** Powered by the host device (smartphone) via USB-C port.
◦ **Voltage:** 5 V DC (provided by phone's USB port).
◦ **Current:** ~5 mA (during measurement) on average. Very low power draw.
◦ **Power Consumption:** < 0.03 W (30 milliwatts) maximum. This is negligible impact on the phone battery in practical terms – e.g., one hour of continuous use would consume <0.03 Wh.

◦ Note: No internal battery in the ZTP-800; it will not work unless connected to a phone. It also means no battery replacement or charging is needed for the device itself.

● **Dimensions:** Approximately 5 cm x 2.7 cm x 2.7 cm ( 1.97" x 1.06" x 1.06")
● **Weight:** ~20 grams (0.71 oz).

● **Expected Service Life:** 5 years of typical use. This is the estimated time the device should remain within its performance specifications, assuming proper care and normal usage. After 5 years, or if the device has been heavily used, the accuracy might gradually decline and it may be time to consider replacing or re-calibrating the unit. (Service life estimation is not an expiration, but a guideline; the device could last longer but performance isn't guaranteed beyond this period.)

● **Warranty Period:** 1 year from purchase (as detailed in Warranty Terms section).
● **Operating System Requirements (for app):**
◦ Android OS 7.0 or above; iOS 17 or above (for iPhone 15+). The device itself has no OS, but the app support is for these OS versions or later.

◦ The app is optimized for smartphones; minimal RAM/Storage required (app size ~20 MB, data usage negligible).

All specifications are subject to change without notice, as we continually improve our products. If you require any further technical information, please contact Zanis Tech Inc. or refer to our website or digital user mahual in the setting section of our app for most recent documentation.

## Troubleshooting

**No Reading Displayed / App Shows "No Device Connected"**

**Possible Cause:**

The thermometer is not properly connected to the smartphone or the app.

**Solution**:

● Ensure the thermometer is **fully inserted** into the phone's **USB-C port.**

● Confirm that your phone supports **USB-C data communication** (not just charging).

● Close and reopen the **Zanis TempBuddy app**.

● If still not detected, **reconnect the thermometer** or restart the phone.

**Reading Fluctuates or Seems Inaccurate**

**Possible Cause:**

The thermometer or user has not acclimated to the room temperature, or the forehead is affected by external conditions.

**Solution**:

● Allow both the device and user to remain in the **same environment for at least 20 minutes** before measurement.

● Make sure the **forehead is clean, dry, and free of sweat, hair, or airflow from fans or AC.**

● Avoid measuring immediately after **exercise, bathing, or eating.**

● Keep the thermometer **steady and perpendicular** to the forehead during use.

**"Measurement Failed" or No Temperature Value**

**Possible Cause:**

The app lost connection during reading.

**Solution**:

● Check that the app has **USB permissions enabled**.

● Reconnect and try again.

**Device Feels Warm / Reading Drifts After Several Measurements**

**Possible Cause:**

The sensor may have warmed slightly from continuous use or hand contact.

**Solution**:

● Let the thermometer **rest at room temperature for 20 minutes** before the next use.

● Minimize hand contact before measurement (see Precaution section).

**App Freezes or Closes Unexpectedly**

**Possible Cause:**

Outdated app version or temporary system issue.

**Solution**:

● Update to the **latest version** of the "Zanis TempBuddy" app.

● Check that the app has **USB permissions enabled**.

● Restart your smartphone and retry.

**Object Too Cold or Too Hot for Body Temperature Measurement**

**Possible Cause:**

The thermometer detects a surface temperature outside the normal human range when used in **Body Mode** (for example, measuring a cold object or overheated skin).

**Solution**:

- Ensure the thermometer is aimed at a **human forehead** within a normal room temperature range.
- Use **Object Mode** if measuring non-body surfaces.

**Device or App Shows "Temperature Out of Range"**

**Possible Cause:**

The environment is outside the thermometer's supported range (10 °C–40 °C / 50 °F–104 °F).

**Solution**:

- Use the device **indoors** within the specified range.
- Allow both the thermometer and the user to stabilize before re-measuring.

**USB-C Connector Feels Loose or Not Secure**

**Possible Cause:**

The phone case or port design prevents full insertion.

**Solution**:

- Remove or adjust the **phone case** if it blocks the connector.
- Insert the thermometer gently but completely.

**Readings Differ from a Conventional Thermometer**

**Possible Cause:**

Infrared thermometers measure **surface (temporal artery)** temperature, which is slightly lower than core temperature.

**Solution**:

- Small variations (±0.2 °C / 0.36 °F) are normal.
- Compare readings under **consistent conditions** and use the same method each time.

# Maintenance

Proper maintenance helps ensure the accuracy and longevity of your ZTP-800 thermometer. Follow the instructions below for cleaning, storage, and inspection.

## Cleaning

- Gently wipe the exterior and sensor area with a **soft, dry cloth.**
- If disinfection is needed, use a soft cloth slightly moistened with **70% isopropyl alcohol**. Allow the device to **air dry completely** before use.
- **Do not immerse** the thermometer in water or any liquid.
- Avoid **abrasive cleaners, solvents, high-pressure air, or steam** for cleaning.

## Storage

- Store the thermometer in a **clean, dry location** when not in use.
- Protect it from **extreme temperatures, humidity, dust, and direct sunlight**.
- Keep the device in its protective case or original packaging to avoid damage during transport or long-term storage.

## Inspection

- Before each use, **visually inspect** the thermometer and the **USB-C connector** for cracks, dirt, or damage.
- If the device shows **visible defects** or produces inconsistent readings, stop using it and contact Zanis customer support.

## Service & Calibration

- There are **no user-serviceable parts** inside the thermometer. Do not attempt to disassemble or repair the device yourself.
- For any servicing, recalibration, or repair, contact **Zanis Tech Inc.** or an **authorized service provider.**
- Routine calibration is **not required** under normal use. However, if accuracy verification is needed, contact the manufacturer for assistance.

# IEC and EMC Compliance

## EMC DECLARATION

| **Guidance and Manufacturer's Declaration - Electromagnetic Emissions** | | |
|---|---|---|
| This infrared forehead thermometer is intended for use in the electromagnetic environment specified below. The purchaser and/or user should ensure that it is used in such an environment. | | |
| Emission Test | Compliance | Electromagnetic Environment - Guidance |
| RF Emissions CISPR 11 | Group 1 | The device uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment. |
| RF Emissions CISPR 11 | Class B | The device is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network. |
| Harmonic Emissions IEC 61000-3-2 | Not Applicable | |
| Voltage Fluctuations / Flicker Emissions IEC 61000-3-3 | Not Applicable | |

| **Guidance and Manufacturer's Declaration – Electromagnetic Immunity** | | | |
|---|---|---|---|
| The medical infrared forehead thermometer is intended for use in the electromagnetic environment specified below. The customer or the user of the device should ensure it is used in such an environment. | | | |
| Immunity Test | IEC 60601 Test Level | Compliance Level | Electromagnetic Environment Guidance |
| Electrostatic Discharge (ESD) IEC 61000-4-2 | ±6 kV contact ±8 kV air | ±6 kV contact ±8 kV air | Floors should be wood, concrete, or ceramic tile. If synthetic floors are used, the relative humidity must be at least 30%. |

| | | | |
|---|---|---|---|
| Electrical Fast Transients / Burst IEC 61000-4-4 | ±2 kV for power supply lines | Not Applicable | Mains power quality should be that of a typical commercial or hospital environment. |
| Surge | ±1 kV | Not Applicable | Mains power quality should be |
| IEC 61000-4-5 | differential mode ±2 kV common mode | | that of a typical commercial or hospital environment. |
| Voltage Dips, Short Interruptions and Variations IEC 61000-4-11 | <5% $U_t$(>95% dip) for 0.5 cycle 40% $U_t$(60% dip) for 5 cycles 70% $U_t$(30% dip) for 25 cycles <5% $U_t$(>95% dip) for 5 sec | Not Applicable | Mains power quality should be that of a typical commercial or hospital environment. If continuous operation is required during power mains interruptions, a UPS or battery backup is recommended. |
| Power Frequency Magnetic Fields IEC 61000-4-8 | 3 A/m | 3 A/m | Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment. |
| Note: $U_t$ is the AC mains voltage prior to application of the test level. | | | |

| **Guidance and Manufacturer's Declaration – Electromagnetic Immunity** | | | |
|---|---|---|---|
| The medical infrared forehead thermometer is intended for use in the electromagnetic environment specified below. The customer or the user of the device should ensure it is used in such an environment. | | | |
| Immunity Test | IEC 60601 Test Level | Compliance Level | Electromagnetic Environment Guidance |

| | | | |
|---|---|---|---|
| Conducted RF IEC 61000-4-6 | 3VRMS 150kHz to 80MHz | Not Applicable | Portable and mobile RF communications equipment should be used no closer to any part of the device,including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.<br>Recommended separation distance<br>d=1.2√P 150 kHz- 80 MHz<br>d=1.2√P 80 MHz to 800 MHz |
| Radiated RF IRC61000-4-3 | 3 V/M 80MHz to 2.5GHz | 3 V/M | |
| | | | d=2.3√P 800 MHz to 2.5 GHz<br>where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m).<br>Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey,[a] should be less than the compliance level in each frequency range.[b]<br>Interference may occur in the vicinity of equipment marked with the following symbol:  |

NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies.
NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

**a.** Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios amateur radio, AM and FM radio broadcast and Ty broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. if the measured field strength in the location in which the device is used exceeds the applicable RF compliance level above, the device should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the device.

**b.** Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

**Recommended separation distances between portable and mobile RF communications equipment and the device.**

The device is intended for use in an electromagnetic environment where radiated RF disturbances are under control. User can help prevent electromagnetic interference by keeping the device at a minimum distance from portable and mobile RF communications equipment (transmitters). Below table details the maximum output power of transmitter:

| Rated maximum output power of transmitter (W) | Separation distance according to frequency of transmitter (m) | | |
|---|---|---|---|
| | 150 kHz to 80 MHz d=1.2√P | 80 MHz to 800 MHz d=1.2√P | 800 MHz to 2.5 GHz d=2.3√P |
| 0.01 | 0.12 | 0.12 | 0.23 |
| 0.1 | 0.38 | 0.38 | 0.73 |
| 1 | 1.2 | 1.2 | 2.3 |
| 10 | 3.8 | 3.8 | 7.3 |
| 100 | 12 | 12 | 23 |

For transmitters rated at a maximum output power not listed above, the recommended

separation distance (d) in meters(m) can be estimated using the equation applicable to the frequency of the transmitter, where p is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

## Warranty Terms

Your ZTP-800 comes with a **1-year limited warranty** covering manufacturing defects under normal use. It does **not cover** misuse, water damage, unauthorized modifications, or normal wear and tear.

To file a claim, contact **info@zanis.io** with proof of purchase, serial number, and issue description. Approved claims may receive a repair or replacement at no cost.

Zanis is not liable for indirect or consequential damages. This warranty is governed by Canadian law and may be supplemented by consumer rights in your region.

For full details, see the Warranty Terms at **https://zanis.io/pages/warranty-terms.**

## Privacy Policy

We value your privacy. The TempBuddy app stores your data **locally** by default—**nothing is shared with Zanis**. We collect only the data necessary to operate and improve our services. We do **not sell your data**, and you can access, delete, or export your information at any time.

For full details, see the Privacy Policy at **https://zanis.io/policies/privacy-policy.**

## Terms of Service

By using the ZTP-800 and the TempBuddy app, you agree to use them responsibly. Use under adult supervision if under 18.

You may create an account, but you're responsible for account security. Misuse, tampering, or unauthorized access is prohibited.

Zanis retains all IP rights and may update terms or features without notice. Your continued use signifies acceptance.

See the full Terms of Service at

**https://zanis.io/policies/terms-of-service**

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EC REP


## End of User Manual.

Thank you for reading. We hope the TempBuddy ZTP-800 infrared thermometer becomes a valuable tool for your family's health monitoring. If you have any questions or need support, please reach out to us using the contact information provided. Stay healthy and take care!