

Cleaning and Disinfecting

- Wipe the tip and probe with a cotton swab moistened with 70% isopropyl alcohol before and after each use. After cleaning, wait at least 2 minutes before taking a measurement for the unit to readjust to room temperature.
- Use only a soft dry cloth to clean the body of the thermometer (if necessary). Never use an abrasive cleanser or submerge the thermometer in water or other liquids.

Specifications

| | | | |
|-------------------------------|--|------------------------|---|
| Performance/data: | Measurement time 6-8 seconds | Battery: | CR2032 3V battery |
| Measurement location: | Temple area of the forehead | Battery life: | Minimum 1000 full duty cycles over 24 month period |
| Measurement range: | 95°F to 107.6°F (35°C to 42°C) | Weight: | 1.05 oz (30 g) including battery |
| Operation environment: | 60.8°F to 104°F (16° C to 40° C) Humidity: 15-95% (non condensing) | Dimensions: | 5" x 1.3" x 1" (125 mm x 33 mm x 25 mm) |
| Storage environment: | -4°F to 122°F (-20° C to 50° C) Humidity: 15-95% (non condensing) | Memory: | Last-reading display |
| Measurement readout: | Celsius or Fahrenheit | Auto shut off: | After 60 seconds |
| Accuracy: | Laboratory: Complies with ASTM E 1112-00 standard requirements Clinical: According 80601-2-56 | Case material: | Medical grade ABS plastic |
| Display: | TN LCD 0.7" X0.61" (18 mm X 15.5 mm) | Probe material: | Medical grade stainless steel, medical grade ABS plastic, silicone rubber |
| | | Warranty: | 2 year |

FCC warning statement

This equipment has been tested and found to comply with the limits for a Class B digital device, according 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. 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 to 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 to an outlet on circuit different from that to which the receiver is connected.
- Consult the dealer or experienced radio/TV technician.

Modification not expressly approved by the manufacturer could void the user authority to operate the equipment under FCC Rules.

LIMITED WARRANTY

ADC warrants its products against defects in materials and workmanship under normal household use and service as follows:

- Warranty service extends to the original retail purchaser only and commences with the date of delivery.
- Your Adtemp TempleTouch Thermometer is warranted for two years from date of purchase.

What Is Covered: Replacement of parts, and labor.

What Is Not Covered: Transportation charges to ADC. Batteries where supplied. Damages caused by abuse, misuse, accident, or negligence. Incidental, special, or consequential damages. Some states do not allow the exclusion or limitation of incidental, special, or consequential damages, so this limitation may not apply to you.

To Obtain Warranty Service: Send item(s) postage paid to ADC, Attn: Repair Dept., 55 Commerce Dr., Hauppauge, NY 11788. Please include your name and address, phone no., proof of purchase, and a brief note explaining the problem.

Implied Warranty: Any implied warranty shall be limited in duration to the terms of this warranty and in no case beyond the original selling price (except where prohibited by law). This warranty gives you specific legal rights and you may have other rights which vary from state to state.



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Patent #7,597,668 B2

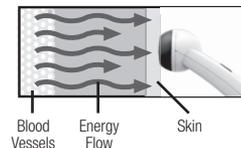


Adtemp™ 427 TempleTouch™ Thermometer

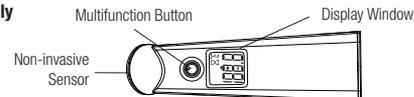


Instructions for Use

Thank you for choosing an ADC® Adtemp™ TempleTouch thermometer. Your new thermometer is designed to provide accurate body temperature measurements using a unique probe, which measures the heat flow from the blood vessels to the skin and converts it to body temperature in approximately 6-8 seconds.



Parts and Assembly



Symbol Definitions

The following symbols are associated with your thermometer.

| Symbol | Definition |
|--------|---|
| | Important warning/caution |
| | Not made with natural rubber latex |
| | Phthalate free |
| | Keep dry |
| | Operating instructions |
| | Manufacturer's information |
| | Dispose in accordance with local applicable regulations |
| | Medical Device |

| Symbol | Definition |
|--------|--|
| | Type BF applied part |
| | Catalog Number |
| | Lot number |
| | Multifunction button |
| | Auto detection error |
| | Temperature is higher than measuring range |
| | Temperature is lower than measuring range |
| | Memory indication |
| | Low battery indication |

General Warnings ⚠

A warning statement in this manual identifies a condition or practice which, if not corrected or discontinued immediately, could lead to patient injury, illness, or death.

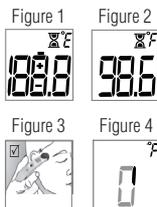
- WARNING:** High, prolonged fever requires medical attention, especially for young children. Please contact your physician.
- WARNING:** Keep out of reach of unsupervised children. Components may be harmful if swallowed.
- WARNING:** Read the enclosed instructions carefully to ensure accurate temperature readings. Temperature readings are affected by many factors including exercise, drinking hot or cold beverages prior to taking a reading as well as technique.
- WARNING:** Do not dispose of batteries in fire, recharge, put in backwards, disassemble, mix with used or other battery types – they may explode or leak and cause injury. Waste batteries should be deposited in a batteries recycling trash only.

- ⚠ **CAUTION:** Do not drop the thermometer or expose to heavy shock.
- ⚠ **CAUTION:** Do not immerse thermometer in water or any other liquid. This thermometer is not water proof.
- ⚠ **CAUTION:** Do not store the unit in direct sunlight, at a high temperature, in high humidity or dust.
- ⚠ **CAUTION:** Stop using the thermometer if it operates erratically or if display malfunctions.
- ⚠ **CAUTION:** Clean the thermometer probe before storing.
- ⚠ **CAUTION:** Do not attempt to disassemble the unit except to replace the battery.
- ⚠ **CAUTION:** Do not autoclave. Please note the cleaning procedures described in this manual.

How to Use

Use this thermometer on a clean, dry forehead. Wipe away any perspiration and move any hair away from the temporal area.

1. Press and release the multifunction button. The display will flash and you'll hear a single audible beep (Figure 1). The previous result will display for 2 seconds (Figure 2) then disappear.
2. Place the thermometer's probe in the center of the temple area between the end of the eyebrow and the hairline. Hold the unit gently but firmly against the temple to ensure good contact with the skin. (Figure 3). Correct placement and good contact ensure reliable readings.
3. Once the thermometer is in place, the measurement will start automatically. A running circle will appear indicating that the measurement is progressing successfully (Figure 4). Make sure that the thermometer and the patient do not move while measurement is in progress.
4. A temperature reading will be displayed within 6-8 seconds. You'll hear one long beep when the measurement is complete. The reading will remain displayed for about 1 minute. The unit will turn off automatically in about one minute. To prolong battery life, press the multifunction button to turn off manually.



If the thermometer detects a high body temperature, the LCD backlight will turn red; otherwise, it will display green. The backlight color serves as a visual indicator alongside the temperature reading to help convey the patient's condition more effectively.

NOTE: You must wait one minute before taking another reading. If you try to begin another reading before this time has elapsed (by manually turning the device off and on), the unit will display a 10-second countdown while it resets. If you attempt to measure during the countdown, the device will display the previous result, beep 8 times and turn itself off automatically.

Information about Body Temperature

"Normal" body temperature varies from person to person, and changes according to time of day and body location. Hot or cold baths, physical exercise, smoking and drinking, hot or cold drinks may change body temperature by one degree or more. The following table shows the temperature ranges:

| | What is fever | Average normal temperature ranges |
|--------------------|-----------------------|-----------------------------------|
| Forehead | Over 37.8°C / 100.0°F | 36.1°C-37.8°C / 97.0°F-100.0°F |
| Rectal* | Over 38.0°C / 100.4°F | 36.3°C-38.0°C / 97.3°F-100.4°F |
| Oral (mouth)* | Over 37.8°C / 100.0°F | 36.1°C-37.8°C / 97.0°F-100.0°F |
| Axillary (armpit)* | Over 37.2°C / 99.0°F | 35.2°C-37.2°C / 95.4°F-99.0°F |

* Fever definitions according to the American Medical Association

The thermometer is designed to measure the temperature on the forehead, near the temple area, between the eye socket and the hairline. It is important to note that the thermal characteristics of each measurement location—temporal, axillary, oral, or rectal—are unique. The variation in temperature measurements across different body locations is due to the physiology of the human body, not the thermometer itself.

NOTE: It is recommended to measure body temperature when healthy to establish your specific "normal" temperature.

Ensuring Accurate Temperature Measurement

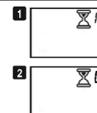
1. Measurement body location is the temple, in proximity to the temporal artery, between the end of the eyebrow and hairline.
2. Do not place the thermometer on scarred tissue compromised by skin disorder, open sores or abrasions, or patients in trauma.

3. Temperature readings are affected by many factors including exercise and drinking hot or cold beverages prior to taking a reading.
4. Consult your physician when using drug therapies that may raise the local skin temperature in the forehead; this may lead to an incorrect reading.
5. Do not place the thermometer on skin exposed to direct sunlight, fireplace heat, air conditioner flow, or cold/warm compress therapies.
6. Wait at least one minute between consecutive measurements for the unit to readjust to room temperature.
7. If the thermometer has been stored at a cold temperature, allow the unit to warm naturally to room temperature before using.
8. Performance may be degraded if operated or stored outside stated temperature/humidity ranges.

Switching Temperature Scale

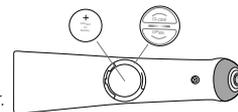
The default temperature scale is Fahrenheit (°F). To change the scale to °C, or back to °F:

1. While off, press and hold the multifunction button for about five seconds. The hourglass icon will display, then the °F or °C will change.
2. Release the button.



Battery Replacement

1. Using a coin, unlock the battery cover and carefully remove the battery with a non-metallic instrument.
2. Replace the battery with a CR2032 3V battery.
3. Insert the new battery with the positive side (+) facing the battery cover.
4. Replace the battery cover and using a coin, tighten the cover.



Troubleshooting

The thermometer has been designed to display feedback warnings to ensure proper usage and accurate temperature measurement. When an error appears, the device will beep 5 times and then turn off automatically. In the event of a malfunction or incorrect temperature measurement, the following warnings will be displayed:

HI: If the measured temperature is above 107.6°F (42°C) the device will beep and display HI.

Solution: Turn the unit off, wait 2 minutes, and then turn on again. Retake temperature using proper technique. If still reads HI, this indicates that the patient has a high fever. Seek immediate medical attention. NOTE: This is not a device malfunction.



LO: If the measured temperature is below 95°F (35°C) the device will beep and display LO.

Solution: Turn the unit off, wait 2 minutes, and then turn on again. Retake temperature using proper technique. If still reads LO, this indicates that the patient has a low body temperature. Seek immediate medical attention. NOTE: This is not a device malfunction.



Er.1: If the thermometer is too cold or too hot to operate, the device will beep 5 times and display Er.1.

Solution: Verify room temperature is within product range 60.8°F - 104°F (16°C - 40°C). Wait 1 minute and then retake temperature using proper technique.



Er.2: If the temperature did not register because of poor contact, patient movement, or poor placement, the device will beep 5 times and display Er.2.

Solution: Turn the unit off, wait 2 minutes, then turn it on again. Retake temperature using proper technique.



Er.3: If the unit malfunctioned, the device will beep 5 times and display Er.3.

Solution: Do not use the thermometer. Contact ADC Customer Service.



Low Battery: Battery icon blinks for 2 seconds.

Solution: The battery has enough remaining life for approximately 10 more measurements. It is recommended to replace the battery as soon as possible.



Drained Battery: Battery icon appears as unit is turned on. Thermometer will beep 5 times and power off automatically.

Solution: Replace battery.

