

Adtemp™ 427 Temple Touch™ Thermometer

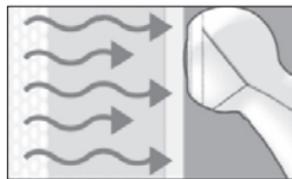
USE, CARE &
MAINTENANCE



ADC[®]
AMERICAN DIAGNOSTIC CORPORATION

Intended Use:

A Temple Touch thermometer is a device which enables accurate body temperature measurements obtained by using a unique probe, which measures the heat flow from the blood vessels to the skin and converts it to body temperature from the temple area in approximately 6-8 seconds.



Safety Information:

- High, prolonged fever requires immediate medical attention, especially for young children.
- Do not allow children to take their temperatures unattended.
- 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:** Keep batteries out of children's reach. Swallowing a battery could be harmful. Batteries should not be recharged or placed into extreme heat as they may explode.
- **WARNING:** It is recommended to remove the batteries from the thermometer when it is not used for a long period. 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.
- **WARNING:** This product may contain a chemical known to the state of California to cause cancer, birth defects, or other reproductive harm.
- **CAUTION:** Do not drop the thermometer or expose to heavy shock.
- **CAUTION:** Do not immerse thermometer in water or any other liquid.
- **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 batteries.
- **CAUTION:** Do not autoclave. Please note the cleaning procedures described in this manual

Quick Start:

1. Press and release the MULTI-FUNCTION button.
 2. Wait 2 seconds.
 3. Hold firmly to temple, wait for beep.
 4. Read results.
 5. Before re-measuring: wait at least 1 minute.
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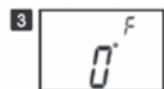
Measuring Guidelines:

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 and 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 and 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.
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Taking Temperature:

Use this thermometer on a clean dry forehead. Wipe away any perspiration, move hair aside from the temporal area and apply the probe to bare skin.

1. Press and release the Multi-Function button, all segments will be displayed along with a single audible beep (Figure 1).
2. The previous result will be displayed for 2 seconds (Figure 2).
3. Wait for the hourglass icon to disappear (Figure 3). Do not try to take a measurement before the hourglass icon disappears, as this may compromise the results.



4. Place the thermometer's probe in the center of the temple area between the end of the eyebrow and the hairline. Gently press and hold it against the temple to ensure good contact with the skin is maintained (Figures 4a + 4b). Correct placement and good contact with the skin ensure reliable readings.



5. As soon as the thermometer is in place, the measurement will start automatically. A running circle will appear indicating that the measurement is progressing successfully (Figure 5). Make sure that the thermometer and the patient do not move while measurement is in progress.



6. A temperature reading will be displayed within 6-8 seconds. One long beep will be heard to indicate that measurement is complete and temperature will be displayed for about 1 minute.

7. Press and release the Multi-Function button to turn the thermometer off, or it will shut off automatically after 1 minute.

If you need to take another reading – wait at least a minute after turning the thermometer off and begin again. If you take a measurement before 1 minute has elapsed, the device will perform a 10 to 0 countdown to allow the device to re-adjust.

DO NOT TRY TO MEASURE DURING THE COUNTDOWN. If you attempt to do so, the device will display the previous result, beep 8 times and turn itself off automatically.

Setting the Operating Scale °F or °C

The device setting is by default fahrenheit (°F). To change the scale to °C, or back to °F:

1. While off, press and hold the Multi-function button for 5 seconds, on the screen you will see the icon (°F, °C) changes.
2. Release the button, the hourglass icon will disappear in 5 seconds indicating that the device is ready for use.



Changing the battery:

To install/replace, first switch off the device. Remove the battery cover by sliding it out of its housing. Firmly attach the batteries to their place, making sure polarity is correct. (see engraving on the bottom of battery compartment). Slide the battery cover back into place.

Troubleshooting and special indications:

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 the thermometer will 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".



Remedy: Turn the unit OFF, wait 1 minute and then 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.

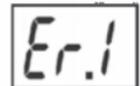
LO: If the measured temperature is below 95°F (35°C) the device will beep and display "LO".



Remedy: Turn the unit OFF, wait 1 minute and then ON again. Retake temperature using proper technique. If still reads LO, this indicates that the patient has a low body temperature.

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"



Remedy: 1. Verify room temperature within product range 60.8°F-104°F (16° C - 40° C).

2. 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”



Remedy: Turn the unit OFF, wait 1 minute, turn it ON again and retake temperature using proper technique.

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



Remedy: Do not use the thermometer – Call 1-800-232-2670 for service.

Low Battery: Battery icon is on continuously.



Remedy: The battery has enough remaining life for approximately 10 more measurements

Drained Battery: Battery icon appears as unit is turned on and the device turns itself OFF.



Remedy: Replace battery.

Standards:

Complies with EN 12470-3 and ASTM E 1112-00

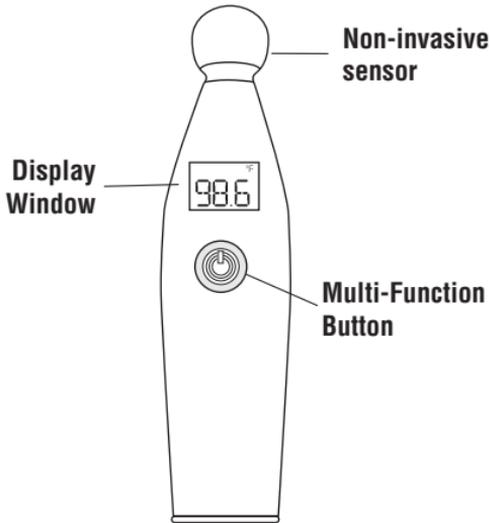
How to care for this product:

- Wipe the tip and probe with a cotton swab moistened with 70% isopropyl alcohol before & after each use. After cleaning, wait at least 2 minutes before taking a measurement for the unit to re-adjust 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

Feature Performance / Data:	Measurement time 6-8 seconds
Measurement location:	Temple area of the forehead
Measurement range:	95°F to 107.6°F (35°C to 42°C)
Operation environment:	60.8°F-104°F (16° C - 40° C) Humidity: 15-95% (non condensing)
Storage environment:	-4°F to 122°F (-20° C - 50° C) Humidity: 15-95% (non condensing)
Measurement readout:	Celsius or Fahrenheit
Accuracy:	Complies with ASTM E 1112-00 standard requirements
Display:	TN LCD 0.63" X 0.44" (16 mm X 11 mm)
Battery:	2 AAA 1.5volt batteries
Battery life:	Minimum 1000 full duty cycles over 24 month period
Weight:	1.3oz (37gr) including batteries
Dimensions:	4.7" x 1.17" x 1" (12 cm x 3.0 cm x 2.4 cm)
Memory:	Last reading display when turned on
Auto shut off:	After 60 seconds
Case material:	Medical grade ABS plastic
Probe material:	Medical grade Stainless steel, medical grade ABS plastic
Warranty:	2 year

Parts and Assembly



WARRANTY

This Thermometer is guaranteed for a period of 24 months from date of purchase. This warranty does not cover batteries, or damage resulting from improper handling or use. Specific legal rights stipulated in your state may guide this warranty. If you have a legitimate claim under this warranty, send item(s) postage paid to Service Center, 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, your return address and \$2.00 to cover shipping and handling.

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