
Adtemp™ ULTRA 417 Digital Fever Thermometer

Instructions
for Use



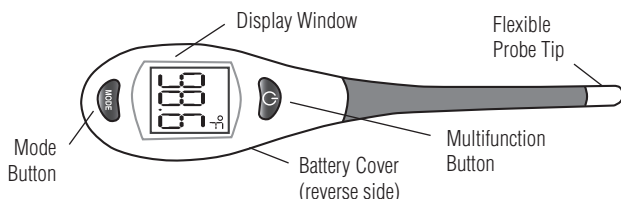
ADC[®]
AMERICAN DIAGNOSTIC CORPORATION

Thank you for choosing an ADC® Adtemp™ digital stick thermometer. Your new thermometer is designed to provide accurate temperature measurements. Adtemp thermometers meet or exceed all relevant international performance standards

Device Description and Intended Use

This device is intended to measure human body temperature in children and adults. It has a digital display and can be used in a professional or household environment.

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
	Operating instructions
	Manufacturer's information
	Authorized European representative's information
	Meets essential requirements of European Medical Device Directive 93/42/EEC

Symbol	Definition
	Lot Number
	Multifunction button
	Auto detection error
	Temperature is higher than measuring range
	Temperature is lower than measuring range
	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: This instrument is designed for oral, rectal, or axillary use only.

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: Stop using the thermometer if it operates erratically or if the display malfunctions.

WARNING: Avoid taking temperature for 15 minutes after physical exercise, bathing, dining, or drinking hot or cold beverages.

WARNING: Allow the thermometer to warm naturally to room temperature before using. Performance may be affected if operated or stored outside stated temperature and humidity ranges or if the patient's temperature is below the ambient (room) temperature.

WARNING: After using, clean the unit by wiping it with a dry cloth and disinfect the probe with isopropyl (rubbing) alcohol. See cleaning instructions for additional details.

CAUTION: Keep thermometer away from direct sunlight, moisture, extreme temperatures, or dust.

CAUTION: Do not boil, bite, bend, drop, or disassemble the thermometer.

CAUTION: Do not open the unit except to replace the battery.

CAUTION: Dispose of batteries in accordance with locally applicable regulations, not with domestic waste.

CAUTION: Do not autoclave or immerse thermometer in water or any other liquid. The unit is not waterproof. Please note the cleaning procedures described in this manual.

How to Use

1. Disinfect the probe with isopropyl (rubbing) alcohol before using.
2. We recommend using probe covers with all digital stick thermometers. If using, place cover over tip of unit.
3. Wait at least 1 minute between consecutive measurements for the unit to readjust to room temperature.
4. Place the probe in the appropriate position for your measurement site (see **Ensuring Accurate Temperature Measurement** below).

Switching Temperature Modes

1. With the thermometer off, press the mode button and the multifunction button at the same time until you see the scale alternate.
2. Release both buttons and wait 5 seconds. The correct scale and the mode icon will appear, indicating the unit is ready to measure.

Ensuring Accurate Temperature Measurement

We recommend using probe covers (Figure 1) with all digital stick thermometers.



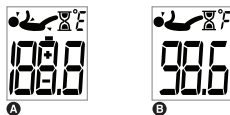
Figure 1

Operating the 2-second digital thermometer:

For first use: Remove the protective case from probe tip and the LCD protective sticker.

1. **Press and release the multifunction button, a short beep will follow.**

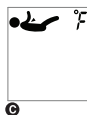
Wait 2 seconds for the unit to get ready. During these 2 seconds the following sequence will be displayed on the LCD:



A: All display icons will appear.

B: The display will show last measurement.

C: The hourglass will disappear and the display will show the scale and mode icons. This will indicate the thermometer is now ready for measurement.



2. **Select your preferred measurement location**

(oral/rectal/underarm)

by using the Mode button.



Oral



Rectal



Axillary

3. Place the probe tip at the desired location.

The temperature reading will be displayed within 2 seconds. One long beep will indicate that the measurement is completed. If you want to take another measurement, turn off the thermometer and wait 1 minute between consecutive measurements to allow the unit to readjust to room temperature.

NOTE: Measurement time may vary based on measuring conditions.

Oral Use (for children 4 years and older): Place the probe well under the patient's tongue (Figure 2). Keep mouth closed while thermometer is reading. The peak temperature should be reached in approximately 2 seconds. Opening the mouth or improper placement of the probe tip could result in a longer time for a reading.

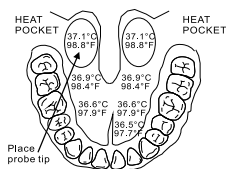


Figure 2

Rectal Use: Lubricate the probe cover with a water-soluble jelly for easier insertion; do not use petroleum jelly, as it may cause an inaccurate reading.

Insert the tip of the probe no more than 1/2 inch into the rectum. **STOP** if you meet any resistance. The sensing unit is on the very tip of the probe and there is no need to insert the probe deep into the rectum. Dispose of the used probe cover and wash the thermometer as recommended. The peak temperature should be reached in approximately 2 seconds.

Axillary Use: Wipe armpit with a dry towel. Place the probe in the patient's armpit (Figure 3) and keep the patient's arm pressed firmly against the body. The time required for an accurate underarm temperature may be 2 seconds or longer depending on placement of the probe and closure of the arm against the body.

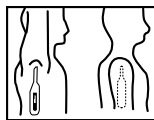


Figure 3

Dual Color Display:

- If a high heat flow is detected from the patient's body, the LCD backlight color will turn red. Otherwise, the LCD backlight color will display a green light.
- The LCD backlight color is an additional alert to the displayed temperature.

⚠ WARNING: A high temperature requires immediate medical attention.

Turning the Unit Off: Turn the thermometer off by pressing the multifunction button. If you forget to turn it off, the thermometer will automatically turn off after 1 minute.

Installing Batteries

1. Switch off the device.
2. Remove the battery cover by sliding it up.
3. Press the latch holding the battery to remove it from the housing.
4. Place new 2032Li 3V coin type battery in the chamber with the positive (+) side up.
5. Slide the battery cover back into place. Make sure the latch is firmly closed.

It is recommended you remove the battery from the thermometer when it will not be used for a long period of time.

Troubleshooting and Special Indications

The thermometer has been designed to display feedback warnings to ensure proper usage and accurate temperature measurement. In the event of a malfunction or incorrect temperature measurement, the following warnings will be displayed:

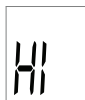


Display: Flickering LO (unit will beep 7 times) Indication:

The measured temperature is below 95°F (35°C).

1. Turn the unit off, wait 1 minute and then turn on again.
2. Retake temperature using proper technique while ensuring normal room temperature (between 73°F to 77°F / 23°C to 25°C).
3. If unit still reads LO, the patient has low body temperature.

 **WARNING!** A low body temperature requires immediate medical attention.



Display: Flickering HI (unit will beep 7 times) Indication:

The measured temperature is above 107.6°F (42°C).

1. Turn the unit off, wait 1 minute and then turn on again.
2. Retake temperature using proper technique.
3. If unit still reads HI, the patient has an extremely high temperature.

 **WARNING!** A high temperature requires immediate medical attention.



Display: Er 1 (unit will beep 5 times and power off automatically)

Indication: The thermometer is too cold or too hot to operate.

1. Verify room temperature is within product range 60.8°F to 104°F (16° C to 40° C).
2. Wait 1 minute, retake temperature using proper technique.



Display: Er 2 (unit will beep 5 times and power off automatically)

Indication: Temperature did not register because of poor contact, patient movement or poor placement.

1. Turn the unit off, wait 1 minute, turn it on again and retake temperature using proper technique.



Display: Er 3 (unit will beep 5 times and power off automatically)

Indication: Unit malfunctioned.

1. Do not use the thermometer – contact Customer Service.



Display: Flickering battery (after displaying the last temperature measurement) Indication: Low battery.

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



Display: Battery icon is on (unit will beep 5 times and power off automatically) Indication: Drained battery.

1. The battery is drained. Replace battery.

Cleaning and Disinfecting

- Wipe probe with an alcohol swab or 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.
- Store at room temperature.

Specifications

Size:	5" L x 1.14" W x .5" H (12.7cm L x 2.9cm W x .13cm H)
Weight:	0.621 oz. (17.6 g) including battery
Display:	LCD, Liquid Crystal Display - 15.9*18.6mm
Battery:	2032Li 3V Coin Battery
Battery Life:	Minimum 1000 full duty cycles over a 24 month period

Measurement Time:	Oral 2* Seconds / Rectal 2 Seconds / Axillary 2 Seconds
Measurement Range:	95°F to 107.6°F (35°C to 42°C)
Accuracy:	98.6°F to 102.2°F +/- 0.2°F (37°C to 39°C +/- 0.1°C)
Measurement Mode:	Predictive measurement
Audible Alarm:	1 beep at start-up. Continuous beep at measurement completion
Auto Turn Off:	60 seconds
Memory Feature:	Stores last temperature taken
Operation Environment:	60.8°F to 104°F (16°C to 40°C)
Storage Environment:	Humidity: 15-95% (noncondensing)
Storage Environment:	-4°F to 122°F (-20°C to 50°C)
Standards:	Humidity: 15-95% (noncondensing)
	Complies with ASTM E1112-00(2011) standard requirements

*2 second response time achieved in water bath test.

THE FCC WANTS YOU TO KNOW...

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.

Limited Warranty

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

1. Warranty service extends to the original retail purchaser only and commences with the date of delivery.
2. Your Adtemp digital 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. 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.

For Australian Consumers: Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.



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Batteries and electronic devices must be disposed of in accordance with the locally applicable regulations, not with domestic waste.



Read the instruction manual carefully before using this device, especially the safety instructions, and keep the instruction manual for future use.



Type BF applied part



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