Specifications

Size	5.51"L x .78"W x .43"H (12.7 cm L x 1.9 cm W x .95 cm H)
Weight	0.63 oz (18 grams)
Display:	LCD, Liquid Crystal Display
Battery:	1.55V (LR41)
Battery Life:	Estimated 4,000 measurements
Measurement Time:	Oral 18-20 Seconds / Rectal 10 Seconds / Axillary 40 Seconds
Measurement Range:	90.0°F to 109.9°F ±0.2°F (32.0°C to 43.9°C ±0.1°C) Below 90.0°F (32.0°C) displays fixed " L" with flashing °F or °C. Above 109.9°F (43.9°C) displays fixed "H" with flashing °F or °C and 10 times "Beep" sound.
Accuracy:	0.2°F/0.1°C between 93.2°F to 107.6°F (34.0°C to 42.0°C) a room temperature of 64.4°F to 82.4°F (18°C to 28°C) ±0.4°F/0.2°C between 90.0°F to 93.2°F (32.0°C to 34°C) and 107.6°F to 109.9°F (42.0°C to 43.9°C)
Operating Conditions:	50.0°F to 104.0°F (10.0°C to 40.0°C)
Storage Conditions:	-13°F to 131°F (-25°C to 55°C)
Relative Humidity:	15-95% Non-Condensing
Measurement Mode:	Real measurement with peak-hold method
Audible Alarm:	1 beep at start-up. Continuous beep at measurement completion
Auto Turn Off:	In approximately 8 minutes
Memory Feature:	Stores last temperature reading
Expected Service Life:	5 years
Standards:	Complies with EN 12470-3, ASTM E 1112-00, IEC 60601-1, IEC 60601-1-2, IEC 60601-1-11, ISO 80601-2-56 Electromagnetic compatibility: device fulfills the stipulations of standard IEC 60601-1-2 *The manufacturer recommends a calibration check every 2 years.*

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 Stick 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.

Visit **www.adctoday.com** to view this instruction booklet in other languages.

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Adtemp™ 415FL Digital Fever Thermometer

Instructions for Use



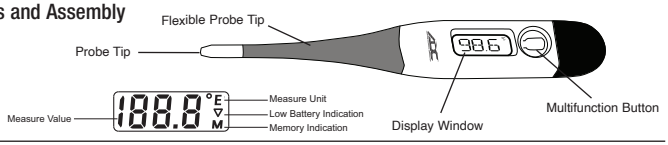
AMERICAN DIAGNOSTIC CORPORATION®

Thank you for choosing an ADC® Adtemp™ digital stick thermometer. Your new thermometer is designed to provide accurate 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 compact size and 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
	Batteries and electronic devices must be disposed of in accordance with the locally applicable regulations, not with domestic waste.

Symbol	Definition
MD	Medical Device
LOT	Lot number
	Multifunction button
Err	Auto detection error
M	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: 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: Oral temperature readings are usually 0.5°F. to 1.0°F degree lower than rectal readings; axillary readings are generally 0.5°F to 1.0°F lower than oral readings.

WARNING: Avoid taking temperature for 30 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 thermometer and place it into the case. 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, 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: Do not use this device close to strong electromagnetic fields, such as mobile telephones.

CAUTION: Do not autoclave. Please note the cleaning procedures described in this manual.

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

CAUTION: IP22: Protected against solid foreign objects of 12.5mm diameter and greater. Protected against vertically falling water drops when the device is tilted up to 15°.

How to Use

1. Disinfect the probe with isopropyl (rubbing) alcohol before using.
2. Press and release the multifunction button. The thermometer will beep and the display will read: 88.8 confirming the unit is functioning properly. The last reading will be displayed for approximately 2 seconds. Next the thermometer will read "L°F" or ("L°C"), depending on current scale.
3. We recommend using probe covers with all digital stick thermometers. If using, place cover over tip of unit.
4. Place the probe in the appropriate position for your measurement site (see **Ensuring Accurate Temperature Measurement** below).
5. The °F or °C symbol will flash when the unit is ready to measure temperature. Please note that the "▽" indicates a low battery. See instructions for replacing battery before measuring temperature. Do not expect an accurate temperature reading if this low-battery indicator is present. An "Err" message in the window indicates your unit is not functioning properly.
6. Depending on the measurement site, the unit will complete measurement in 18-20 (oral), 10 (rectal), or approximately 40 (axillary) seconds. The display will flash and the unit will beep signaling completion.
7. Read and record the temperature and time for reference. The reading will automatically be stored in the memory.
8. Use the multifuction button to turn the unit off. This will prolong the battery life. If you do not turn the unit off, it will shut down automatically in approximately 8 (±1) minutes.

Special Features

Last-Temperature Memory Recall: Press the multifunction button to activate the thermometer. The display of 88.8 will appear first and then display the last reading. If the last measurement didn't finish and there is no temperature displayed, the last memory will display "L" with °F or °C flashing.

Switching Temperature Modes

From the OFF position, the Celsius or Fahrenheit mode can be switched by pressing and holding the multifunction button for at least 5 seconds. When the "M" icon on the screen disappears, press the multifunction button to switch scales.

Ensuring Accurate Temperature Measurement



Figure 1

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

Oral Use: Place the probe well under the patient's tongue (Figure 2). Keep mouth closed while thermometer is reading.

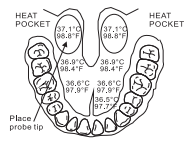


Figure 2

Instruct children not to bite down on the probe. The peak temperature should be reached in approximately 18-20 seconds. Opening the mouth or improper placement of the probe tip could result in a longer time for a reading.

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. Gently 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. A normal temperature by this method is usually considered between 1.0°F to 2.0°F (0.5°C to 1.0°C) HIGHER than an oral temperature. The peak temperature should be reached in approximately 10 seconds, and the unit will make a continuous beeping sound. Dispose of the used probe cover and wash the thermometer as recommended.

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 peak temperature should be reached in approximately 40 seconds. Improper placement of the probe and closure of the arm against the body could result in a longer time for a reading.

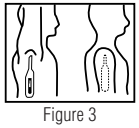


Figure 3

Battery Replacement

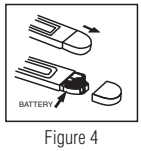


Figure 4

1. When the symbol "▽" appears in the lower right of the display, the battery needs to be replaced.
2. Remove battery compartment lid (Figure 4).
3. Use a pointed object such as a toothpick to pry loose the old battery. Avoid using any sharp metal object.
4. Place new 1.5V coin-type battery (LR41 or equivalent). Ensure battery is correctly positioned with the "+" facing up or towards the LCD screen.
5. Replace the battery cover securely (Figure 4).

Cleaning and Disinfecting

⚠ **Do not use corrosive detergent to clean the unit.**

⚠ **Clean and disinfect the thermometer before and after each use.**

- Use of probe covers is recommended to help avoid spreading germs, and to keep the thermometer clean. The thermometer should be cleaned after use even when probe covers are used.
- Wipe probe with a clean cloth dipped in a disinfectant solution such as 70-75% isopropyl (rubbing) alcohol solution or soap and water.
- Rinse off disinfectant residue.

Care and Storage

- Do NOT drop or crush; this device is not shock proof.
- Do NOT dismantle or modify device.
- Do NOT store the device in an extreme environment with direct sunlight or high/low temperatures, or in a location with high humidity or severe dust.
- Store the unit in the protective case while not in use.