

# Adtemp™ 418N

## Digital Fever Thermometer

### Instructions for Use



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.

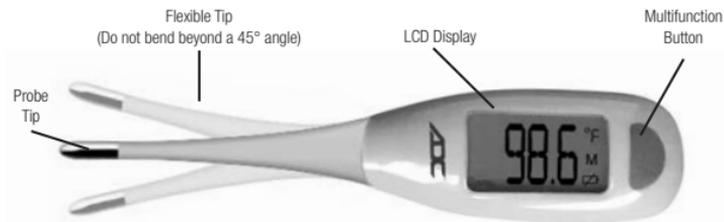
---

#### Device Description and Intended Use

This device is intended to measure human body temperature in children and adults. It has a 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
	Operating instructions
	Manufacturer's information
	Not made with natural rubber latex
	Phthalate free
	Authorized European representative's information
	Lot number

Symbol	Definition
	Meets essential requirements of European Medical Device Directive 93/42/EEC
	Multifunction button
	Auto detection error
	Temperature is higher 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:** 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:** Rectal temperatures vary by approximately 0.9°F/0.5°C.

**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 store in case. Clean the unit by wiping it with a dry cloth and disinfecting 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:** Do not use this device close to strong electromagnetic fields, such as mobile telephones.

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

## How to Use

**NOTE:** Be sure probe tip is clean before using.

1. Disinfect the probe with isopropyl (rubbing) alcohol before using.
2. Press and release the multifunction button. You will hear a short beep then all segments will display (Figure 1) for 1 second with red backlight for 0.5 seconds and then green backlight for 0.5 seconds. This is a function check indicating the unit is working properly.
3. Display will then show the last reading memory with a red or green backlight (depending on the temperature) for 3 seconds. When the scrolling dash "-" displays, you can start measurement.
4. When measurement is complete you will hear a long beep (1 second) and see a green backlight when the temperature is between 89.6°F (34°C) to 99.3°F (37.4°C). You will hear four beeps and see a red backlight when the temperature is between 99.5°F (37.5°C) to 109.2°F (42.9°C). If the temperature is higher than 109.2°F (42.9°C), you'll hear two beeps, see the "H" icon and a red backlight, and hear four additional beeps.
5. The reading will automatically be stored in memory, but we recommend you manually record the temperature and time for reference.
6. The unit will automatically turn off in about 5 minutes. To prolong battery life, press the multifunction button to turn off the device manually.



Figure 1

## Ensuring Accurate Temperature Measurement

We recommend using probe covers (Figure 2) with all digital stick thermometers.

**NOTE:** This model uses “predictive” technology. Average measurement time is approximately 8 seconds for oral, rectal or underarm use. Actual times may vary depending upon individual, ambient room conditions and method used.

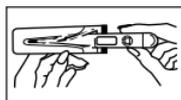


Figure 2

**Oral Use:** (ages 4 years and older): Place probe under patient’s tongue (Figure 3) and close mouth. The peak temperature should be reached in about 8 seconds. Opening the mouth or improper placement of the probe tip may affect read time.

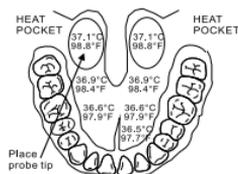


Figure 3

**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. Dispose of the used probe cover and clean the thermometer as recommended.

**Axillary Use:** Wipe armpit with a dry towel. Place the probe in the patient’s armpit (Figure 4) and keep the patient’s arm pressed firmly against the body. The time required for an accurate underarm temperature may be 12 seconds or longer depending on placement of the probe and closure of the arm against the body.

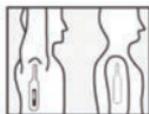


Figure 4

## Switching Temperature Modes

From the off position, press and hold the multifunction button until the display appears with flashing scale (F°/C°) (Figure 5). Press it again to switch between °F or °C. Power off automatically after switch is complete.

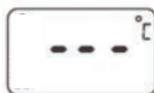


Figure 5

## Special Features

**Last-Temperature Memory:** Press the multifunction button to turn on. The last reading will display with a green backlight (temperature lower than 99.5°F / 37.5°C) or red backlight (higher than 99.5°F / 37.5°C) for 1 second.

## Battery Replacement

1. When the symbol "  " appears in the lower right of the display, the battery needs to be replaced.
2. Turn battery cover to unlock position and remove.
3. Remove old battery and replace 3V (CR2032) battery with the positive (+) side facing up.
4. Replace the battery cover on the thermometer and turn to lock position.



## 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.
- Wipe off disinfectant residue.

## Care and Storage

- Do NOT drop or crush, as this may damage the thermometer.
- Do NOT dismantle or modify device other than replacing battery.
- Store unit in protective case while not in use. 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.
- The manufacturer recommends verifying the accuracy by an authorized laboratory every two years.

## Specifications

<b>Size:</b>	5.31" L x 1.14" W x 0.59" H (13.49cm L x 2.90cm W x 1.49cm H)	<b>Accuracy:</b>	93.2°F to 107.6°F $\pm 0.2^\circ\text{F}$ (34°C to 42°C $\pm 0.1^\circ\text{C}$ )
<b>Weight:</b>	0.77 oz (22 g) with battery	<b>Technical:</b>	107.6°F to 111.0°F $\pm 0.4^\circ\text{F}$ (42°C to 43.9°C $\pm 0.2^\circ\text{C}$ )
<b>Display:</b>	LCD, Liquid Crystal Display	<b>Operation Environment:</b>	50°F to 104°F (10°C to 40°C) Humidity: 15-95% (non-condensing)
<b>Battery:</b>	3V (CR2032) lithium-metal	<b>Storage Environment:</b>	-13°F to 131°F (-25°C to 55°C) Humidity: 15-95% (non-condensing)
<b>Battery Life:</b>	Estimated 2,000 uses	<b>Measurement Mode:</b>	Real measurement with predictive method
<b>Measurement Time:</b>	Oral 8 Seconds / Rectal 8 Seconds / Axillary 8 Seconds	<b>Audible Alarm:</b>	1 beep at start-up. Continuous beep at measurement completion
<b>Measurement Range:</b>	93.2°F to 111.0°F (34.0°C to 43.9°C)	<b>Auto Turn Off:</b>	In approximately 5 minutes

## Standards:

Complies with EN 12470-3, ASTM E 1112-00, ICE 60601-1-11, IEC 606061-1, and IEC 60601-1-2

## 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.

**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 reasonable 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. Visit [www.adctoday.com](http://www.adctoday.com) to view this instruction booklet in other languages.



ONBO Electronic (Shenzhen) Co., Ltd.  
No. 138 Huasheng Road  
Langkou Community, Dalang Street  
Longhua District, Shenzhen, China



Microlife UAB  
P. Lukšio g. 32  
08222 Vilnius, Lithuania



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

**IP22:**

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



Type BF applied part

IB p/n 93-418N-00 rev 4 (3/8/2021)

Mfg. for: ADC®  
55 Commerce Drive, Hauppauge, NY 11788  
Inspected in the USA  
Made in China  
tel: 631-273-9600  
toll free: 1-800-232-2670  
fax: 631-273-9659  
[www.adctoday.com](http://www.adctoday.com)  
email: [info@adctoday.com](mailto:info@adctoday.com)



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



Printed in China