

Adtemp™ V 418N Digital Fever Thermometer

USE, CARE &
MAINTENANCE



ADC[®]
AMERICAN DIAGNOSTIC CORPORATION

Intended Use:

A digital thermometer is a device used to measure the body temperature of a patient by means of a transducer coupled with an electric signal amplification, conditioning, and display unit.

Safety Information:

- **WARNING:** This is NOT an ear thermometer. NEVER put probe into ear. Take temperature measurements Underarm, Orally or Rectally.
- **WARNING:** Never allow children to play with this product. It is not a toy. This is a sensitive electronic device and may be damaged if not used properly under parental supervision.
- **WARNING:** Always supervise your child when using thermometer. NEVER allow your child to use it alone or without close parental supervision.
- **WARNING:** Avoid sudden impact and dust. Do not expose the thermometer to extreme temperatures, humidity, direct sunlight or shock.
- **WARNING:** 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 allow children to walk or run during temperature taking. Do not allow children to chew on or bend the thermometer. The probe could present a hazard.
- **WARNING:** Rectal temperatures vary by approximately 0.9°F/0.5°C.
- **WARNING:** High, prolonged fever requires medical attention, especially for young children. Please contact your physician.
- **WARNING:** Do not use the device if you think it is damaged or if anything appears unusual.
- **WARNING:** Using the unit in the immediate vicinity of mobile phones, microwave appliances or other devices with strong electromagnetic fields may result in impaired functioning
- **WARNING:** An “ERR” message in the window indicates your unit is not functioning properly.
- **WARNING:** No modification of this equipment is allowed.
- **WARNING:** Battery should not be charged or placed into extreme heat as it may explode.
- **WARNING:** Used batteries should be disposed of properly.
- **WARNING:** Keep battery out of children’s reach. Swallowing battery could be fatal. Battery should not be recharged or placed into extreme heat as it may explode.
- **ATTENTION:** Totally protected against dust ingress, protected against the effect of immersion in water.

How to take temperature:

NOTE: Be sure probe tip is clean before using.

1. While thermometer is OFF, press the ON/OFF button.
2. You will hear a short beep then all segments (Figure 1) will display for 1 second with red backlight for 0.5 second and then green backlight for 0.5 second. This is a function check indicating the unit is working properly.
3. Display will show last reading memory with green backlight for 3 seconds. A scrolling dash “-” will display to start measurement. A long beep (for 1 second) is heard when the temperature is between 89.6°F (34°C) ~ 99.5°F (37.5°C) with the green backlight displayed. Four Beeps are heard when the temperature is higher than 99.5°F (37.5°C) with a red backlight display.

Two beeps are heard first, then four beeps when the temperature is higher than 109.2°F (42.9°C) with icon H and red backlight displayed.

4. Read and record the temperature and time for reference. The reading will automatically be stored in memory, but it is recommended to read and record the temperature and time for later reference.
5. Press the ON/OFF button to turn the thermometer OFF. If you do not turn the thermometer OFF manually, the thermometer will shut off automatically in approximately 5 minutes.

Oral use: (for children 4 years and older)

1. Do not drink hot or cold fluids, exercise or perform other activities that will raise or lower temperature readings when compared to your normal, average temperature. The mouth should remain closed up to 5 minutes before attempting a reading.
2. Place the probe tip well under the tongue. Instruct children not to bite down on the probe (Figure 2).
3. The peak temperature should be reached in approximately 8 seconds. Opening the mouth could result in a longer time for a reading.

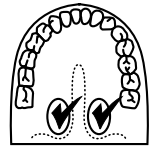


Figure 2

Rectal use:

1. Commonly used for babies, young children or when it is difficult to take an oral or underarm temperature.
2. Lubricate probe tip with a water-soluble lubricant or petroleum jelly.
3. Gently insert the probe tip no more than 1/2 inch (1.3 cm) into the rectum. Do not force the tip into the rectum if resistance is encountered.
4. Clean the thermometer as recommended.



Figure 1

Underarm (Axillary) use:

1. Wipe underarm with a dry towel.
2. Place probe tip in armpit and bring arm down against the body. The thermometer should be pointing upward in the same direction as your body if possible (Figure 3).
3. 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 3

Operation of the °F - °C feature (How to change the measuring scale) While thermometer is OFF, press and hold the ON/OFF button until the display appears with flashing scale (F°/C°) (as shown). Press it again to switch between °F or °C. Power off automatically after switch completed.



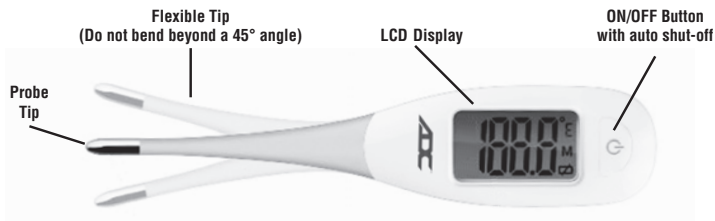
Changing the battery:

When “” appears in the lower right of the display, the battery is exhausted. Turn battery cover to unlock position and remove. Remove the old battery. Be aware of any local regulations concerning disposal of batteries. Place a CR2032 lithium battery inside with the positive side facing up. Replace the battery cover on the thermometer and turn to lock position.



Memory Function: The thermometer memory function stores 1 measurement. The last measurement will appear with green backlight (temperature lower than 99.5° F / 37.5° C) or red backlight (temperature higher than 99.5° F / 37.5° C) for 1 second.

Parts and Assembly



Standards:

Complies with EN 12470-3:2000, ASTM E 1112-00, ICE 60601-1-11, IEC 606061-1, and IEC 60601-1-2

How to care for this product:

- 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.
- Clean the thermometer tip and probe only using isopropyl alcohol or soap and water.
- Store the unit in the protective case while not in use.
- Do not store or keep in direct sunlight, or in high temperatures.
- Keep battery away from children.
- Do not open the thermometer except to replace the battery.
- Do not drop the thermometer, as this may damage the unit.
- The manufacturer recommends verifying the accuracy by an authorized laboratory every two years.

Specifications

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Size: 5.31”L x 1.14”W x 0.59”H(13.49cm L x 2.90cm W x 1.49cm H)

Weight: 0.77 oz (22 grams) with battery

Display: LCD, Liquid Crystal Display

Battery: 3V (CR2032) lithium-metal

Battery Life: Estimated 2,000 uses

Measurement Time: Oral 8 Seconds / Rectal 8 Seconds /
Axillary 8 Seconds

Measurement Range: 93.2° F ~ 109.9° F (34° C~ 42.9° C)

Accuracy: Technical: ± 0.2 : 93.2° F - 107.6° F (± 0.1 ° C : 34° C - 42° C)

Operation Environment: 50°F to 104°F (10°C to 40°C), Humidity: 15-95%
(non condensing)

Storage Environment: -13°F to 140°F (-25° C to 60° C), Humidity: 15-95%
(non condensing)

Measurement Mode: Real measurement with predictive method

Audible Alarm: 1 beep at start-up. Continuous beep at measurement
completion

Auto Turn Off: In approximately 5 minutes

Memory Feature: Stores last temperature taken

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.

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



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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



Batteries and electronic instruments must be disposed of in accordance with the locally applicable regulations.

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