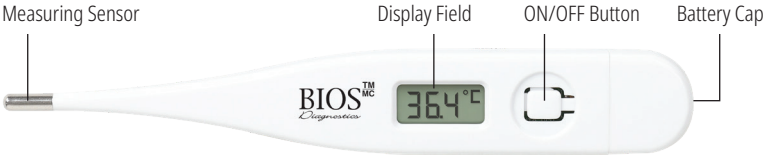


Thank you for purchasing BIOS Diagnostics™ Digital Fever Thermometer. To correctly utilize all the advantages of this product, please familiarize yourself with these operating instructions before using the thermometer for the first time. Keep the instructions in a safe place for future reference.



INDICATIONS FOR USE:

This digital thermometer (609DI) is intended to measure the human body's temperature in regular mode, orally, rectally, or under the arm. This device was designed to be reusable for clinical or home use, on people of all ages, including children under 8 years old with adult supervision.

SAFETY INFORMATION:

- High, prolonged fever requires medical attention, especially for young children. Please contact your physician should this occur.
- This thermometer contains small pieces that can pose a choking hazard. **Do not** allow children to take their own temperatures unattended. Thermometer cap and/or battery may be fatal if swallowed.
- Keep battery away from children, harmful if swallowed.
- **Do not** open the thermometer except to replace the battery.
- **Do not** use thermometer in ear. Thermometer is designed for use orally, rectally, or under the arm only.
- **Do not** place thermometer battery near extreme heat as it may explode.
- Remove battery from the device when the unit is not intended to be used for an extended period of time.
- The use of temperature readings for self-diagnosis is dangerous. Always consult with a healthcare professional if you have any questions.
- **Do not** attempt measurements while the thermometer is wet as it can cause inaccurate readings.
- **Do not** bite the thermometer. Doing so may lead to breakage and/or injury.
- **Do not** attempt to disassemble or repair the thermometer. Doing so may result in inaccurate readings, and will void the warranty.
- Children two years of age or younger, should not use the oral temperature method.
- Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.
- PORTABLE RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the digital thermometer, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.
- The thermometer is not intended for use in an oxygen rich environment or the presence of flammable anesthetic mixture with air, oxygen or nitrous oxide.
- **Do not** place the thermometer in direct sunlight, or store with cotton wool, as the accuracy may be affected.
- ME equipment should not be cleaned or disinfected while in use.

HOW TO TAKE A TEMPERATURE:

1. Select oral, underarm, or rectal as your measurement site based on each individual. Clean thermometer prior to use.
 2. Push the operating button located beside the display window. The thermometer will beep and the display will read: "▯▯▯▯". This is a function check indicating that the unit is working properly. Should there be a reading in the memory it will then appear. Immediately after 37.0°C/98.6°F will appear then, "▯°C" with the °C/°F flashing and the "M" gone, will indicate that the thermometer is ready for use.
- IMPORTANT: "▯°C" does not refer to the battery level.**
3. While taking a temperature, the °C/°F symbol flashes as long as the temperature increases.
 4. A beep will sound for 10 seconds indicating that the peak temperature has been reached. If the temperature is above 37.8°C/100°F rapid beeps will sound indicating a fever.
NOTE: The LCD will display "▯°C" if the measurement taken is below 32.0°C/90°F. It will display "Hi°C" if the measurement is above 43.0°C/109.9°F.
NOTE: The minimum recommended measurement time is indicated by beeps sounding for 10 seconds. The measurement continues even after the buzzer notification. In order to achieve the most accurate body temperature result, it is recommend to keep the probe of the thermometer in the users mouth or rectum for about 2 minutes, or if using under the armpit, about 5 minutes regardless of the beeping sound.
 5. To prolong the life of the battery, turn the thermometer off after each use by pressing the operating button briefly, otherwise the unit will turn off automatically in approximately 10 minutes.
 6. To switch the thermometer from °C to °F. Press and hold the operating button for 2 seconds when the thermometer is off. The thermometer will turn on and either °C or °F will be displayed.

ORAL USE:

- **Do not** drink hot or cold fluids, exercise, smoke, or perform other activities prior to a measurement that will raise or lower temperature readings when compared to your normal, average temperature. The mouth should remain closed for up to 5 minutes before attempting a reading.
- Place the probe tip well under the tongue and wait until a beep is heard. Instruct children not to bite down on the probe.

Do not use the thermometer orally once it has been used for rectal temperature readings.

UNDERARM (AXILLARY) USE:

- Wipe arm with a dry towel.
- Place the probe tip in the hollow of the armpit and bring arm down against the body and wait until a beep is heard.

RECTAL USE:

- Commonly used for babies, young children or when it is difficult to take an oral or underarm temperature.
 - Lubricate the thermometer with a water-soluble personal lubricant or petroleum jelly.
 - Gently insert the probe tip no more than 1/2 inch or 1.3 cm into the rectum, and wait until a beep is heard.
- Do not force the tip into the rectum if resistance is encountered.**

WHAT IS “NORMAL” BODY TEMPERATURE?

“Normal” body temperature varies from person to person and changes according to time of day and body location. The following table shows the temperature ranges:

	Fever Temperature	Temperature Ranges
Rectal*	Over 38°C/100.4°F	36.6°C – 38°C/97.8°F – 100.4°F
Oral (mouth)*	Over 37.5°C/99.5°F	35.5°C – 37.5°C/95.9°F – 99.5°F
Axillary (underarm)*	Over 37.2°C/99°F	36.5°C – 37.2°C/97.7°F – 99°F

*Fever definitions according to the Canadian Paediatric Society

MEMORY RECALL:

This thermometer has a memory which allows recalling of the last temperature. To obtain this information, with the thermometer off, press the operating button. The screen displays **▯▯▯▯** then the last measurement, which will be deleted after the next temperature is taken.

CLEANING AND DISINFECTING:

- 1. Immerse the thermometer probe in distilled water for at least 1 minute.
- 2. Using a clean, soft cloth to wipe the thermometer down to remove any residue.
- 3. Repeat step 1 and 2 for three times until no soil is seen with visual inspection after cleaning.

To thoroughly clean and disinfect, please use method A or B:

Method A (High-level disinfection): Immerse the thermometer probe in 0.55% OPA (O-Phthaldehyde), such as CIDEX OPA, for at least 12 minutes under a temperature at 20°C.

Method B (Low-level disinfection): Using a clean soft cloth dipped in 70% medical alcohol, wipe the probe 3 times, at least one minute per wipe.

Repeat step 1 to 3 to remove OPA residuals.

NOTE: Rectal use is not recommended for home use as OPA will not be readily available outside of a hospital. If rectal measurement is necessary, we strongly recommend high-level disinfection.

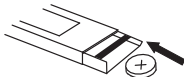
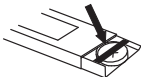
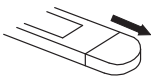
NOTE: Please operate according to the OPA manual for reference.

To prevent damage to the thermometer please note and observe the following:

- **Do not** use benzene, paint thinner, gasoline, or any other strong solvents to clean the thermometer.
- **Do not** attempt to disinfect the sensing probe (tip) of the thermometer by immersing in alcohol, OPA, or in hot water (over 122°F (50°C) for a long period of time.
- **Do not** use ultrasonic washing to clean the thermometer.

CHANGING THE BATTERY:

When the **“▯”** appears on the display, the battery is exhausted and needs replacing. Remove the battery compartment cover located at the top of the thermometer and discard of the old battery. Insert a new equivalent battery (LR41, 1.5V). Ensure the battery is correctly positioned with the **“+”** facing upwards or towards the back of the unit. Replace battery compartment cover.



SPECIFICATIONS:

Fever Temperature	32.0°C-42.9°C (90.0°F-109.9°F)
Accuracy	±0.1°C, 35.5°C to 42.0°C (±0.2°F, 95.9°F - 107.6°F) ±0.2°C under 35.5°C or over 42.0°C (±0.4°F under 95.9°F or over 107.6°F) At ambient temperature 18.0°C to 28°C (64.4°F to 82.4°F)
Operating Environment	Temperature: 5°C - 40°C (41°F - 104°F) Relative humidity: 15% - 95%RH Atmospheric Pressure: 700hPa - 1060hPa
Storage and Transportation Environment	Temperature: -20°C - 55°C (-4°F - 131°F) Relative humidity: 15% - 95%RH Atmospheric Pressure:700hPa - 1060hPa
Battery Type	One 1.5V DC. button battery (size LR41, SR41 or UCC 392)
Battery Life	Approx. 200 hours of continuous operation, or 1 year with 3 measurements per day
Display	Liquid crystal display
Memory	Stores the last measured temperature
Dimensions	12.3cm x 1.8cm x 0.9cm (L x W x H)
Weight	Approx. 10 grams including battery
Expected Service Life	3 years

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

LIMITED 2 YEAR WARRANTY:

This BIOS Diagnostics™ Digital Fever Thermometer has a limited 2 year warranty to be free of manufacturing defects for the original owner. The warranty does not cover damage from misuse or tampering.

100% Satisfaction Guarantee

If at any time, you are not completely satisfied with the performance of this device, call our BIOS Medical Hotline and speak with a customer service representative, who will make arrangements to have the device tested or replaced to your full satisfaction.

If you have questions regarding the operation of your thermometer call the BIOS Medical Hotline: 1-866-536-2289.

Should correction be necessary, return the unit with all component pieces. Enclose proof of purchase and \$5.00 for return shipping and insurance. Ship the unit prepaid and insured (at owners option) to:

Thermor Ltd.

Returns Department
16975 Leslie Street
Newmarket, ON L3Y 9A1
www.biosmedical.com
Email: support@biosmedical.com

Please include your name, return address, phone number, and email address. Thermor Ltd. will replace (at Thermor Ltd.'s option) free of charge any parts necessary to correct the defect in material or workmanship.
Please allow 10 days for return shipping.



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