

Thank you for purchasing the BIOS Diagnostics™ 8 Second Digital 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 (282DI) 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.



### 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.
- Keep battery away from children, harmful if swallowed.
- **Do not** open the thermometer except to replace the battery.
- To avoid damage to the probe, do not bend beyond a 45° angle.
- Use of a probe cover may result in a 0.1°C (0.2°F) discrepancy from actual temperature.
- **Do not** boil probe to disinfect.
- **Do not** store in direct sunlight or in areas of extreme heat.

### °C / °F SWITCHABLE:

Temperature readings are available in Celsius or Fahrenheit (°C/°F; located in the upper right corner of display field). Turn On the thermometer by pressing the **On/Off** button. The display will briefly show  with backlight and beep tone. Then the display will show the last measurement or , press and hold the **On/Off** button for 3 seconds, °C or °F will be displayed, press the **On/Off** button once to switch from °C to °F and vice versa.

### HOW TO TAKE A TEMPERATURE:

1. Select Oral, Axillary (Underarm), or Rectal as your measurement site based on each individual. Clean thermometer with soap and water prior to use. While the thermometer is off, press and hold the **On/Off** button for 3 seconds. Press the button again to cycle through the modes (orL - oral, udr - underarm, rct - rectal, bth - bath). When the desired mode displays on screen, wait for thermometer to auto shut off.
2. Push the **On/Off** 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 the mode will appear, then  with the °C /°F and the "M" gone. This will indicate that the thermometer is ready for use.

**IMPORTANT:**  **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. The visual temperature reference will indicate if the reading is normal (green), elevated (yellow), or fever (red) with an arrow pointing to the colour bar located on the top side of the LCD. If the temperature is 37.8°C /100°F or higher, rapid beeps will sound and the screen will light up red indicating a fever. If the temperature is below 37.8°C /100°F, the screen will light up green.
 

**NOTE:** The LCD will display "Lo°C" if the measurement taken is below 32.0°C /90°F. It will display "Hi °C" if the measurement is above 42.9°C /109.9°F.
5. To prolong the life of the battery, turn the thermometer off after each use by pressing the **On/Off** button briefly, otherwise the unit will turn off automatically in approximately 10 minutes.

### ORAL USE:

- Do not drink hot or cold fluids, exercise, smoke or perform other activities prior to a measurement. These actions 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.

### AXILLARY (UNDERARM) USE:

- Wipe underarm 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 axillary (underarm) temperature.
- Lubricate the thermometer with a water-soluble personal lubricant or petroleum jelly.
- Gently insert the probe tip no more than ½" / 1.3 cm into the rectum, and wait until a beep is heard.

**IMPORTANT: 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

**IMPORTANT:** It is recommended to measure the body temperature when healthy to establish the specific “normal” temperature.


#### MEMORY RECALL:

This thermometer has a memory which recalls the last temperature taken. To obtain this information, with the thermometer off, press the **On/Off** button. The screen displays  then the last measurement, which will be deleted after the next temperature is taken.

#### CLEANING AND DISINFECTING:

Before and after each use, clean the thermometer with warm soapy water and a soft cloth. Disinfect using a cotton ball moistened with alcohol. Never immerse in hot water or in harsh cleaning solutions.

#### CHANGING THE BATTERY:

When the “” appears on the display, the battery is exhausted and needs replacing. Remove the battery compartment lid located on the back of the thermometer. Use a coin or flat head screwdriver to open. Discard the old battery and insert a new equivalent battery (CR2032, 3V). Ensure the battery is correctly positioned with the “+” facing up or towards the back of the unit. Replace battery compartment lid.

#### SPECIFICATIONS:

Temperature Range:	32°C to 42.9°C (89.6°F to 109.2°F)
Accuracy:	±0.1°C, 35.5°C to 42°C (±0.2°F, 95.9°F to 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 of 18°C to 28°C (64.4°F to 82.4°F)
Visual Temperature Reference:	No Indication: <35.8°C (<96.4°F) Green: 35.8°C to 37.2°C (96.4°F to 99°F) Yellow: 37.2°C to 37.8°C (99°F to 100°F) Red: >37.8°C (>100°F)
Fever Glow	<37.8°C / 100°F screen will light up green ≥37.8°C / 100°F screen will light up red
Operating Environment:	Temperature: 5°C to 40°C (41°F to 104°F) Relative humidity: 15% to 95%
Storage and Transportation Condition:	Temperature: -20°C to 55°C (-4°F to 131°F) Relative humidity: 15% to 95%
Battery Type	1 x 3.0V battery type CR2032
Battery Life	Approx. 200 hours



Follow Instructions for Use. This document provides important product information and safety information. Please read this document thoroughly before using the device and keep for future reference



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°.

#### TEST PROTOCOL (LABORATORY USE ONLY):

1. Water bath with minimum capacity of 1L, continuously circulating
2. Insert fever thermometer (powered off) into liquid bath, minimum 2” deep
3. Wait for reference thermometer to stabilize (3-5 seconds). Turn on fever thermometer
4. Wait for fever thermometer’s reading to stabilize, record the temperature reading

#### 2 YEAR LIMITED WARRANTY:

This thermometer has a two year limited warranty against manufacturers defect under normal use by the original owner. The warranty does not cover damage from misuse or tampering. This warranty does not cover batteries or other power sources that may be provided with or used with the thermometer.

#### 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 repaired 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, or email [support@biosmedical.com](mailto:support@biosmedical.com)**

Should repair 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.  
Repair Department  
16975 Leslie Street  
Newmarket, ON L3Y 9A1  
[www.biosmedical.com](http://www.biosmedical.com)

Please include your name, return address, phone number, and email address. Thermor Ltd. will repair or 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 repair and return shipping.

BIOS | Medical  
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