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BIOS Diagnostics 227DI

BIOS Diagnostics 5 Second Digital Thermometer User Manual

Model: 227DI

PRODUCT OVERVIEW

This BIOS Diagnostics 5 Second Digital Thermometer provides fast and accurate temperature readings. It features a large LCD display, a flexible tip for comfort, and a visual temperature reference system to easily interpret results. Designed for oral, rectal, or axillary use, it is suitable for all ages.



Image: The BIOS Diagnostics 5 Second Digital Thermometer, showing its sleek design and digital display.

KEY FEATURES

- Fast, accurate readings in 5 seconds.
- Visual Temperature Reference: Green for Normal, Yellow for Elevated, Red for Fever.
- Flexible tip for enhanced comfort and safety during use.
- Suitable for oral, rectal, or underarm temperature measurement.
- Fever Glow and audible alarm for high temperature alerts.
- Automatically stores the last measured temperature for easy recall.
- Switchable between Celsius (°C) and Fahrenheit (°F) temperature units.
- Automatic shut-off feature to conserve battery life.

- Includes battery and a protective storage case.
- Licensed by Health Canada, ensuring compliance with health standards.

SETUP

1. **Unpack the Thermometer:** Carefully remove the thermometer and its accessories from the packaging.
2. **Battery Installation:** The thermometer comes with a battery installed. If the display does not turn on, or shows a low battery indicator, replace the battery. Refer to the "Maintenance" section for battery replacement instructions.
3. **Clean the Thermometer:** Before first use, clean the thermometer tip with isopropyl alcohol or soap and water. Refer to the "Maintenance" section for detailed cleaning instructions.
4. **Select Temperature Unit (°C/°F):**

To switch between Celsius and Fahrenheit:

 - Ensure the thermometer is off.
 - Press and hold the power button for approximately 3-5 seconds until the unit changes.
 - Release the button. The selected unit will be displayed.



Image: The thermometer in its retail packaging, indicating included components and features.

OPERATING INSTRUCTIONS

Taking a Temperature Reading

1. **Power On:** Press the power button to turn on the thermometer. A short beep will sound, and the display will show all segments briefly, followed by the last measured temperature.
2. **Ready for Measurement:** When "Lo" or "Hi" appears with a flashing degree symbol, the thermometer is ready for measurement.
3. **Positioning:**
 - **Oral Use:** Place the tip of the thermometer under the tongue, as close as possible to the heat pocket. Keep the mouth closed.
 - **Rectal Use:** Apply a water-soluble lubricant to the tip. Gently insert the tip no more than 1/2 inch into the rectum.
 - **Axillary (Underarm) Use:** Place the tip in the center of the armpit. Ensure the arm is pressed firmly against the body.

4. **Reading Completion:** The thermometer will beep when the measurement is complete (approximately 5 seconds). The final temperature will be displayed.
5. **Interpreting Results (Visual Temperature Reference):**
 - **Green Bar:** Normal temperature.
 - **Yellow Bar:** Elevated temperature (above normal).
 - **Red Bar:** Fever indicated.
6. **Power Off:** Press the power button to turn off the thermometer. It will automatically shut off after approximately 10 minutes of inactivity.



Image: A hand holding the thermometer, taking a temperature reading from a child's forehead, demonstrating typical use.



Image: A close-up view of the thermometer's LCD display, showing a temperature reading of 37.0°C and the green visual reference bar, indicating a normal temperature.

MAINTENANCE

Cleaning and Disinfection

After each use, clean the thermometer probe. Wipe the probe with a cloth dampened with isopropyl alcohol (70% ethanol) or wash with cold soapy water. Rinse thoroughly with cold water. Do not immerse the entire thermometer in water or other liquids. Do not boil the probe. Do not clean with abrasive cleaning agents or thinners.

Battery Replacement

When the battery symbol (**[battery icon]**) appears on the display, the battery is low and needs replacement. The thermometer uses one CR2032 or CR2025 button cell battery.

1. Gently slide the battery cover off the back of the thermometer.
2. Carefully remove the old battery using a non-metallic pointed object.
3. Insert the new battery with the positive (+) side facing up.
4. Slide the battery cover back into place until it clicks securely.
5. Dispose of the old battery properly according to local regulations.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Thermometer does not turn on.	Dead or improperly installed battery.	Replace the battery (CR2032 or CR2025) ensuring correct polarity.

Problem	Possible Cause	Solution
"Lo" or "Hi" displayed continuously.	Temperature is outside the measurable range or probe not properly placed.	Ensure the probe is correctly positioned for measurement. If the issue persists, the temperature may be genuinely outside the range.
Inaccurate readings.	Improper placement, movement during measurement, or dirty probe.	Ensure proper placement and stillness during measurement. Clean the probe thoroughly.
Cannot switch between °C and °F.	Incorrect button press duration.	Ensure the thermometer is off, then press and hold the power button for 3-5 seconds until the unit changes.

SPECIFICATIONS

Attribute	Detail
Model Number	227DI
Brand	BIOS Diagnostics
Measurement Time	Approximately 5 seconds
Measurement Modes	Oral, Rectal, Axillary (Underarm)
Display Type	LCD with Visual Temperature Reference (Green, Yellow, Red)
Temperature Units	°C / °F Switchable
Power Source	1 x CR2032 or CR2025 button cell battery (included)
Auto Shut-off	Yes, after approximately 10 minutes of inactivity
Included Components	Thermometer, Battery, Instructions, Storage Case
Product Dimensions	4 x 14.5 x 2.4 cm; 40.9 g
Material	Plastic
Manufacturer	Thermor Ltd.
Country of Origin	China
Compliance	Licensed by Health Canada

WARRANTY AND SUPPORT

Specific warranty details for the BIOS Diagnostics 5 Second Digital Thermometer are typically provided with the product packaging or can be obtained by contacting BIOS Diagnostics customer support directly. Please refer to the contact information provided on the product packaging or the official BIOS Diagnostics website for assistance.

For further support or inquiries, please visit the [BIOS Diagnostics Store on Amazon](#) or consult the manufacturer's official website.



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