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Braun BNT400BWE

Braun No-Touch + Forehead Thermometer BNT400BWE User Manual

Model: BNT400BWE

Introduction

The Braun No-Touch + Forehead Thermometer BNT400BWE is an advanced device designed for accurate and convenient temperature measurement. It features both no-touch and contact measurement modes, along with Braun's unique Age Precision technology for age-adjustable fever guidance. The innovative PositionCheck system ensures precise readings by guiding proper placement.



Figure 1: Braun No-Touch + Forehead Thermometer BNT400BWE and its retail packaging.

This manual provides comprehensive instructions for the safe and effective use of your Braun thermometer, covering setup, operation, maintenance, and troubleshooting.

Important Safety Information

Please read all instructions carefully before using this product. Keep this manual for future reference.

- This thermometer is intended for household use only. It is not intended to replace consultation with a physician.
- Do not allow children to take their own temperatures. This device is not a toy.
- Do not drop the thermometer or expose it to heavy shocks.
- Avoid extreme temperatures, humidity, and direct sunlight.
- Do not immerse the thermometer in water or other liquids.
- Always clean the thermometer after each use as instructed in the maintenance section.
- If the device is damaged, do not attempt to repair it yourself. Contact customer support.

- Keep batteries out of reach of children. Dispose of used batteries properly.

Setup and First Use

1. Battery Installation

Your Braun BNT400BWE thermometer comes with 2 AAA batteries included. To install or replace batteries:

1. Remove the battery cover located at the back of the thermometer.
2. Insert the 2 AAA batteries, ensuring correct polarity (+ and -).
3. Replace the battery cover until it clicks into place.

2. Powering On

Press the power button () to turn on the thermometer. The display will light up, and a self-test will be performed.

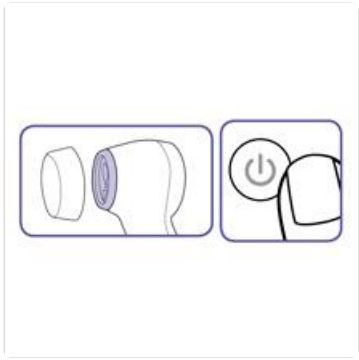


Figure 2: Pressing the power button to turn on the device.

3. Setting Age Precision

The Age Precision feature allows you to set the age range for more accurate fever interpretation. Press the Age Precision button ( ) to cycle through the age ranges: 0-3 months, 3-36 months, and 36+ months.



Figure 3: Selecting the appropriate age range for Age Precision.

Operating Instructions

Measurement Modes

The Braun BNT400BWE offers two primary measurement modes for body temperature and an additional mode for surface temperature.

- **No-Touch Mode:** Ideal for taking temperature without disturbing a sleeping child. Hold the thermometer up to 2.5 cm (1 inch) from the center of the forehead, between the eyebrows.

- **Contact Mode:** For direct contact measurement, place the thermometer gently on the forehead, between the eyebrows.
- **Surface Mode:** Allows you to measure the temperature of objects, liquids, or food. Press the surface mode button (bowl icon) to activate.



Figure 4: Surface Mode icon for measuring object temperatures.

Age Precision Technology

This patented technology provides age-adjustable fever guidance. After taking a temperature, the display will show a color-coded result (green, yellow, or red) based on the selected age range, helping you interpret the reading more accurately.

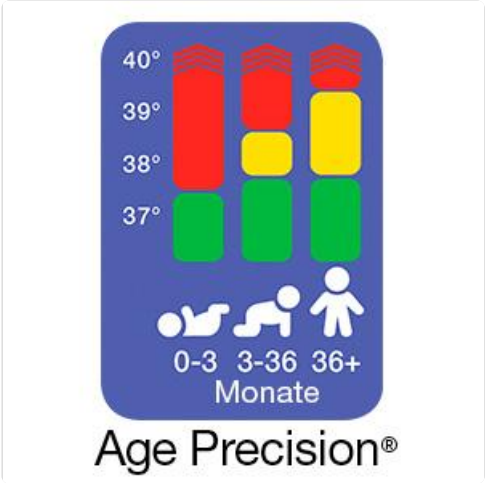


Figure 5: Age Precision chart showing fever thresholds by age group.



Figure 6: Color-coded display for easy interpretation of temperature results.

PositionCheck System

The PositionCheck system ensures accurate readings by guiding you to the correct measurement spot and distance. It combines a aiming light, a proximity sensor, and on-screen guidance.

- **Aiming Light:** Helps you target the area between the eyebrows.
- **Proximity Sensor:** Confirms the correct distance (up to 2.5 cm) from the forehead.
- **On-screen Guidance:** Provides visual cues for proper positioning.

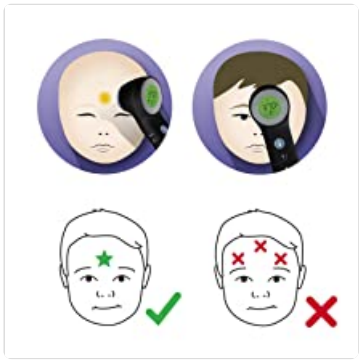


Figure 7: Proper positioning between the eyebrows and maintaining correct distance is crucial for accuracy.

Figure 8: Maintain a distance of 0-2.5 cm for accurate no-touch measurements.

Silent Mode

To avoid disturbing a sleeping child, you can activate the silent mode. Press the silent mode button (speaker icon) to mute the thermometer's beeps and sounds during measurement.

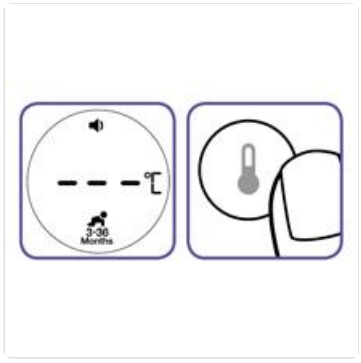


Figure 9: Activating silent mode for quiet temperature readings.

Care and Maintenance

Proper care ensures the longevity and accuracy of your thermometer.

- **Cleaning:** After each use, wipe the probe and the thermometer body with an alcohol swab or a cotton swab moistened with alcohol (70% isopropyl alcohol is recommended). Do not use abrasive cleaning agents.
- **Storage:** Store the thermometer in a dry place, away from direct sunlight and extreme temperatures. Keep it in its protective cap when not in use.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on the display.

Troubleshooting

If you encounter issues with your thermometer, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No display/Device won't turn on	Dead or incorrectly installed batteries.	Replace batteries with new AAA batteries, ensuring correct polarity.
Inaccurate or inconsistent readings	Incorrect positioning or distance; dirty sensor; rapid temperature changes in environment.	Ensure correct positioning using PositionCheck system. Clean the sensor. Allow thermometer to acclimatize to room temperature for 30 minutes before use. Avoid taking multiple readings too quickly.
"LO" or "HI" displayed	Temperature is outside the measurable range.	Ensure the thermometer is used within its specified operating temperature range (typically 10-40°C or 50-104°F for body temperature).
Error message (e.g., "ERR")	Internal malfunction or measurement error.	Turn off the thermometer, wait a few seconds, and turn it back on. If the error persists, contact customer support.

Product Specifications

Model: BNT400BWE

Dimensions (L x W x H): 20.5 x 7 x 16 cm

Weight: 100 grams

Power Source: 2 x AAA batteries (included)

Special Feature: Age-adjustable fever guidance

Color: Black

Age Range (Description): Adult and Child

Included Components: 1 x Braun BNT400BWE thermometer

Exterior Material: Plastic

Compliance: CE, ISO 13485

Display Type: Digital

Connectivity Technology: Bluetooth

Care Instructions: Wipe clean

Warranty and Support

For warranty information, technical support, or service inquiries, please contact the manufacturer directly.

Manufacturer: Helen of Troy

Contact Address: Kaz Europe Sàrl, A Helen of Troy Company - Route de la Chaux 4, 1030 Bussigny - Suisse.

Medical devices marked CE.

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