

BRAUN

No touch + forehead
thermometer



NTF 3000

English 1

Español 17

Contact Us

Questions or Comments?



Call us toll-free at: 1 800 477-0457

E mail: consumerrelations@kaz.com

Or visit our website at: www.braunthermometers.com

Please be sure to specify the model number.

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Kaz, USA, Inc., a Helen of Troy Company
Marlborough, MA 01752

Contáctenos

¿Preguntas o Comentarios?



Llámenos lada gratuita al: 1 800 477-0457

Correo Electrónico: consumerrelations@kaz.com

O visite nuestro sitio web: www.braunthermometers.com

Por favor asegúrese de especificar el número de modelo.

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Marlborough, MA 01752

Patents/Patentes: www.kaz.com/patents/braun

Made in China/Hecho en China

Thank you for purchasing the Braun No touch + forehead thermometer (NTF 3000). This thermometer is a high quality product incorporating the latest technology and tested in accordance with international standards. With its unique technology, the product can provide a stable, accurate reading with each measurement. The thermometer performs a self-test every time it is switched on to always guarantee the accuracy of measurements. The Braun No touch + forehead thermometer (NTF3000) is a non-sterile, reusable, clinical thermometer, intended for the intermittent determination of human body temperature on people of all ages in a touch and no touch mode using the center of the forehead as the measurement site.

Please read these instructions carefully before using this product and keep the instructions and the thermometer in a safe place.



WARNINGS AND PRECAUTIONS

Keep out of reach of children under 12 years. Never use the thermometer for purposes other than those for which it has been intended. Please follow the general safety precautions when using on children.

Never immerse the thermometer into water or other liquids (not waterproof). Please follow the instructions in the “Care and cleaning” section.

Do not store this thermometer in temperature extremes below -13°F (-25°C) or over 140°F (60°C) or in excessive humidity (above 95% non-condensing relative humidity). **If thermometer is stored in a location that is cooler or warmer than where it is being used, let it sit in the patient's room for 10 minutes before taking a measurement.**

Do not use the thermometer if there are signs of damage on the scanner or on the thermometer itself. If damaged, do not attempt to repair the product. Never insert a sharp object into the scanner area or any other open surface on the thermometer.

This thermometer consists of high-quality precision parts. Do not drop the device. Protect it from severe impact and shock. Do not twist the device or the sensor.

This thermometer is intended for household use only. Use of this thermometer is not intended as a substitute for consultation with your physician.

Temperature elevation may signal a serious illness, especially in newborns and infants, or in adults who are old, frail, or have a weakened immune system¹. Please seek professional advice immediately when there is a temperature elevation and if you are taking temperature on:

- Neonates and infants under 3 months (Consult your physician immediately if the temperature exceeds 99.4°F)
- Patients Over 60 years of age (Fever may be blunted or absent in older patients)
- Patients having diabetes mellitus or a weakened immune system (e.g., HIV positive, cancer treatment, chronic steroid treatment, post-surgery)
- Patients who are bedridden (e.g., nursing home patient, stroke, chronic illness, recovering from surgery)
- A transplant patient (e.g., liver, heart, lung, kidney)

This thermometer is not intended for pre-term babies or light-for-date babies.

This thermometer is not intended to interpret hypothermic temperatures. Do not allow children below 12 years to take their temperatures unattended.

Please consult your doctor if you see symptoms such as unexplained irritability, vomiting, diarrhea, dehydration, changes in appetite or activity, seizure, muscle pain, shivering, stiff neck, pain when urinating, etc., even in the absence of fever.

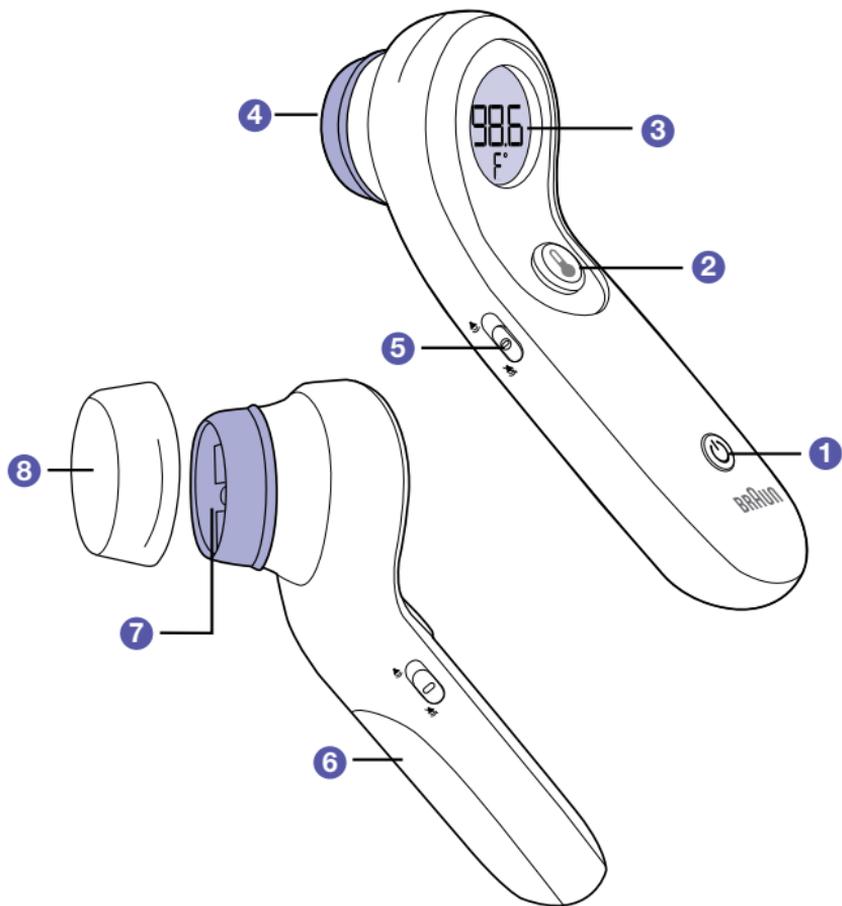
Even in the absence of fever, those who exhibit a normal temperature may still need to receive medical attention. People who are on medication should not be assessed solely on temperature readings to determine the severity of their illness.

Do not modify this equipment without the authorization of the manufacturer.

1. See page 15

Product description

- | | |
|----------------------|----------------------|
| 1 Power button | 5 Silent mode switch |
| 2 Temperature button | 6 Battery door |
| 3 LCD display | 7 Guidance light |
| 4 Scanner | 8 Protective cap |



Why Braun No touch + forehead thermometer?

Measurement in under 2 seconds

The innovative infrared technology measures forehead temperature in under 2 seconds, whether you use the touch or no-touch option.



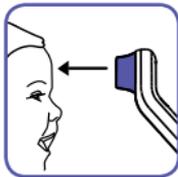
Accurate and reliable

Due to the unique technology, the Braun No touch + forehead thermometer captures the heat naturally given off by the forehead to calculate temperature. Get the same professional accuracy whether touching your child's forehead with the thermometer or holding it up to 2 inches (5 cm) away.



Easy to use

The Braun No touch + forehead thermometer is non-invasive. A measurement can be taken even while a child is sleeping.



The Braun No touch + forehead thermometer is less threatening to a child than a rectal thermometer and easier to use than other methods.

Safe and hygienic

No-touch option helps minimize spreading of germs.

Safe for use on children and adults.

How does Braun No touch + forehead work?

The Braun No touch + forehead thermometer measures infrared energy radiated from the skin at the center of the forehead area. This captured energy (which is twice as much thermal energy compared to a traditional forehead thermometer²), is collected through the sensor and converted to an oral equivalent temperature value.

2. A traditional forehead product without any optical system to capture radiated heat.

The Braun No touch + forehead thermometer has been clinically tested and proven to be safe and accurate when used in accordance with its operating instruction manual.

Temperature guidance feature

Temperature guidance helps you to better understand the meaning of your child's temperature with the color indicated on the display. The screen displays a green, yellow, or red backlight depending on the temperature reading. 10 audible beeps indicate temperatures above 99.4F (37.4C).

It is important to note that a patient's temperature may be impacted by age, gender or medical condition, or by factors such as ambient temperature, time of day, medications taken or the temperature measurement site³.

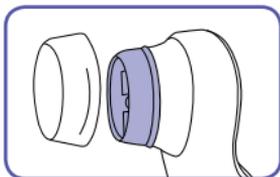
Color range	Reading
Green	>96.3 - 99.4 °F (>35.7 - 37.4 °C)
Yellow	>99.4 - 101.3 °F (>37.4 - 38.5 °C)
Red	>101.3 - 108.0 °F (>38.5 - 42.2 °C)

NOTE: Backlight remains OFF when below temperature readings are registered:
 $93.9 \leq T \leq 96.3^{\circ}\text{F}$ ($34.4 \leq T \leq 35.7^{\circ}\text{C}$)

3. Herzog L, Phillips SG. Addressing concerns about fever. Clin Pediatr (Phila) 2011 May;50(5):383-90.

How to use your Braun No touch + forehead

1 Remove cap



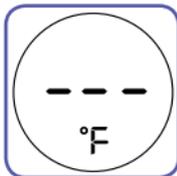
2 Power on

Press and release the power button once. Backlight will come on and the start up sequence starts.



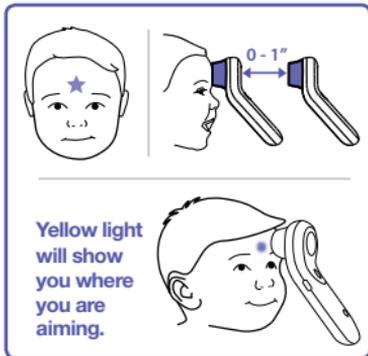
Ready

When the device is ready and correctly positioned, a horizontal line of dashes (“---”) will appear on the screen.



3 Position

Position device on or up to 2 inches (5 cm) away from the center of the forehead, just between the eyebrows. For No touch readings, the yellow guidance light will show you where you are aiming. If the eyebrow area is covered with hair, sweat or dirt, please clean the area and then wait 10 minutes to improve the reading accuracy.



It is important to hold the thermometer and the forehead steady during measurement. Movement will impact the temperature reading.

4 Take temperature

Press the temperature button (you can press and hold the button or press and release it). When the device is placed correctly, the screen displays a dashed line animation while it takes a reading. After the animation sequence (under 2 seconds), the display shows the temperature. The appropriate backlight color is displayed on the screen and the confirmation beep is heard.



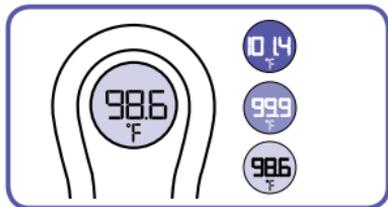
If the device is positioned too far away from the forehead, it will prompt you to move closer by displaying the letters “FWD.” Slowly move the device toward the forehead until the dashed line animation starts and a reading is displayed.



5 Read temperature

Remove the device and read the temperature.

For no backlight and green backlight readings, you will hear a single long beep for 2 seconds. For yellow and red backlight readings, you will hear 10 short beeps.



To repeat

Go to step 3.

6 To turn off

Press the power button to turn off. Device will also shut off automatically after 60 seconds of no use.

Temperature taking hints

It is important to know each individual's normal temperature when they are well. This is the only way to accurately diagnose a fever. To determine normal temperature, take multiple readings when healthy. Re-measure with a standard digital thermometer for confirmation. This thermometer displays an oral equivalent temperature reading. Oral readings are approximately 0.9°F (0.5 °C) lower than a rectal digital measurement⁴).

Patient must be inside for 30 minutes before taking a measurement. Note: Patient and the thermometer should be in the same ambient temperature for at least 10 minutes before taking a reading.

Always hold the thermometer and the forehead steady when taking a reading. Do not move the thermometer until you hear the final beep.

For patients measuring their own temperature, use the “touch” option instead of “no touch.”

Don't take a measurement while or immediately after nursing a baby.

Patients should not drink, eat, or be physically active before/while taking the measurement. Remove hats and wait 10 minutes before taking a reading.

Remove dirt or hair from the forehead before taking a measurement. Bangs may cause higher readings. Wait at least 10 minutes after washing the forehead area before taking a reading.

Always take the temperature exactly as directed. Temperature results may vary if positioned in the wrong location.

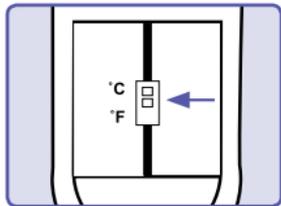
In the following situations it is recommended that three temperatures in the same location be taken and the highest one taken as the reading:

- Newborn infants in the first 100 days.
- Children under three years of age with a compromised immune system and for whom the presence or absence of fever is critical.
- When the user is learning how to use the thermometer for the first time until he/she has familiarized himself/herself with the device and obtains consistent readings.

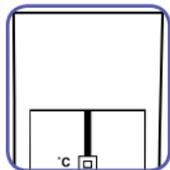
4. Sund-Levander M, Forsberg C, Wahren LK. Normal oral, rectal, tympanic and axillary body temperature in adult men and women: a systematic literature review. Scand J Caring Sci 2002 June;16(2):122-8
Herzog L, Phillips SG. Addressing concerns about fever. Clin Pediatr (Phila) 2011 May;50(5):383-90.

Changing the temperature scale

- 1 Open battery compartment and remove the batteries.
- 2 °C / °F switch is found in the center of the battery compartment.
- 3 Slide switch to °C or °F to set preferred temperature scale.
- 4 Replace the batteries and close the battery door.



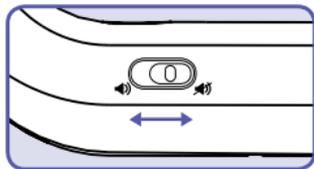
Fahrenheit



Celsius

Changing the sound mode

The Braun No touch + forehead thermometer allows you to silence the beeps on the thermometer to avoid waking a sleeping child. To use this feature, slide the switch to the silent mode position and take a temperature reading. An icon will appear on the screen to show that the thermometer is in silent mode.



Calibration

The thermometer is initially calibrated at the time of manufacture. If this thermometer is used according to the use instructions, periodic re-adjustment is not required. If at any time you question the accuracy, please contact Consumer Relations.

Care and cleaning

The thermometer should be cleaned in between uses, as necessary. Use an alcohol swab or cotton swab moistened with alcohol (70% Isopropyl) to clean the thermometer casing and the measuring probe. Ensure that no liquid enters the interior of the thermometer. Never use abrasive cleaning agents, thinners or benzene for cleaning and never soak the device in water or other cleaning liquids. Wait 10 minutes after cleaning before taking a temperature measurement. Make sure to replace the protective cap after use to prevent scratches or damage to the thermometer.

Never insert a sharp object into the scanner area or any other open surface on the thermometer.

Clean sensor mirror before each use or as needed.

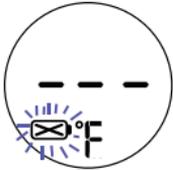
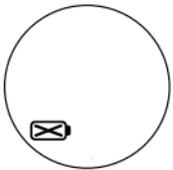
Replacing the batteries

The Braun No touch + forehead thermometer comes with 2 AA batteries. Replace with 2 new AA batteries when the flashing battery symbol appears on the LCD display. To change the batteries, slide open the battery cover and remove batteries. Replace the batteries being sure to align properly as indicated inside the battery compartment. Remove the battery from the product if it is not required for extended periods of time in order to avoid damage to the thermometer resulting from a leaking battery.



To protect the environment, dispose of the product and empty batteries at appropriate collection sites according to national or

Errors and troubleshooting

Error Message	Situation	Solution
	When 20% of battery life is left, the display flashes the low battery warning symbol. The device can still work until the battery life has 0% left.	Replace battery.
	If the steady battery icon is the only symbol shown on the display, the device cannot work. The battery should be replaced immediately.	Replace battery.
	This message displays when measured temperature is lower than 93.9 °F (34.4 °C) or higher than 108 °F (42.2 °C) or when the room temperature is outside the operating range of 59 °F-104 °F (15°C-40°C).	Make sure the protective cap is removed. Re-measure the temperature again, carefully following the instruction in “How to use” section.
	Blank display. Thermometer does not have power.	Please check if the battery has been loaded correctly. Also check polarity (<+> and <->) of batteries. Contact Consumer Relations if thermometer still does not function.

Limited three year warranty

You should first read all Instructions before attempting to use this product.

- A.** This 3 year limited warranty applies to repair or replacement of product found to be defective in material or workmanship. This warranty does not apply to damage resulting from commercial, abusive, unreasonable use or supplemental damage. Defects that are the result of normal wear and tear will not be considered manufacturing defects under this warranty. **KAZ IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.** Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you also may have other rights which vary from jurisdiction to jurisdiction. This warranty applies only to the original purchaser of this product from the original date of purchase.
- B.** At its option, Kaz will repair or replace this product if it is found to be defective in material or workmanship.
- C.** This warranty does not cover damage resulting from any unauthorized attempts to repair or from any use not in accordance with the instruction manual.

Call us toll-free at 1-800-477-0457 or e-mail: consumerrelations@kaz.com. Please be sure to specify a model number.

NOTE: IF YOU EXPERIENCE A PROBLEM, PLEASE CONTACT CONSUMER RELATIONS FIRST OR SEE YOUR WARRANTY. DO NOT RETURN THE PRODUCT TO THE ORIGINAL PLACE OF PURCHASE. DO NOT ATTEMPT TO OPEN THE MOTOR HOUSING YOURSELF, DOING SO MAY VOID YOUR WARRANTY AND CAUSE DAMAGE TO THE PRODUCT OR PERSONAL INJURY.

Product specification

Type:	No touch + forehead thermometer (NTF 3000)
Measuring range:	93.9 °F (34.4 °C) – 108 °F (42.2 °C)
Resolution:	0.1 °F (0.1°C)
Laboratory Accuracy	± 0.4°F for the range 95°-107.6°F (± 0.2°C for 35-42°C) (Ambient Temperature: 59°F to 104°F (15°C to 40°C))
Display:	Liquid Crystal Display, 4 digits plus special icons
Acoustic:	Green backlight = single long beep for 2 sec duration
Audio:	Red or Yellow backlight: 10 short beeps
Operating temperature:	59 °F – 104 °F (15 °C – 40 °C)
Automatic Switch-off:	Approx. 60 seconds after last measurement has been taken
Weight:	3.51oz. (with battery), 2.72oz. (w/o battery)

Long term storage ranges

Storage/transport temperature:	-13 °F to 140 °F (-25 °C to 60 °C)
Humidity:	15-95% non condensing
Battery:	(2) AA Batteries - at least 1000 measurements
Pressure:	700-1060hPA (0.7-1.06 atm)

This infrared thermometer meets requirements established in ASTM Standard E 1965-98 for the thermometer system. Full responsibility for the conformance of the product to the standard is assumed by Kaz, USA, Inc., a Helen of Troy Company, Marlborough, MA 01752, USA.

ASTM laboratory accuracy requirements for the thermometer only in the display range of 96.8 °F to 102.2 °F (36 °C to 39 °C) for infrared thermometers is ± 0.4 °F (± 0.2 °C), whereas for mercury-in-glass and electronic thermometers, the requirement per ASTM Standards E 667-86 and E 1112-86 is ± 0.2 °F (± 0.1 °C).

This device conforms to the following standards:

IEC 60601-1:2006 Medical electrical equipment. General requirements for basic safety and essential performance

ISO 80601-2-56 Particular requirements for basic safety and essential performance of clinical thermometers for body temperature measurement

ASTM 1965E – ASTM Standard for Infrared Clinical Thermometers

EN 12470-5: 2003 «Clinical thermometers» – Part 3: Performance of compact electrical thermometers (non-predictive and predictive) with maximum device.

IEC 60601-1-2: General requirements for basic safety and essential performance

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Collateral Standard: Electromagnetic compatibility – Requirement and tests

NOTE: Do not use this device in the presence of electromagnetic or other interference outside the normal range specified in IEC 60601-1-2.

EN 980: 2008 Symbols for use in labeling of medical devices.

EN 1041: 2008 Information supplied by the manufacturer of medical devices.

EN 60601-1-11: 2010 Medical electrical equipment -- Part 1-11: General requirements for basic safety and essential performance -- Collateral standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment.

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