

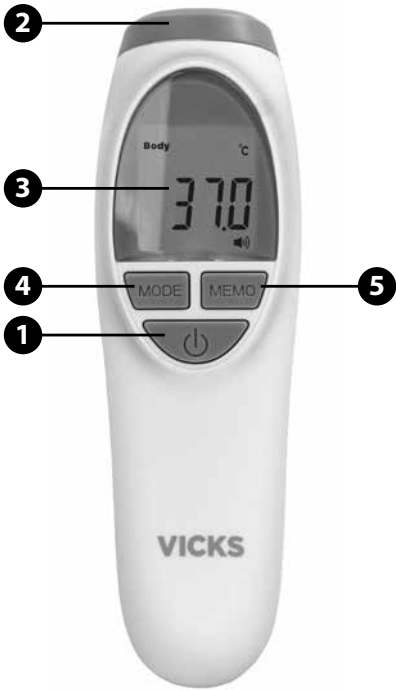


# **Non-Contact Forehead**

**3-in-1 Thermometer**



**VNT200**



# Non-Contact Forehead Thermometer

## Instruction Manual

Thank you for purchasing the Vicks Non-Contact Forehead Thermometer (VNT200). This thermometer is a high-quality product tested in accordance with international standards. 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.

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

## Indications for Use

The Vicks VNT200 Non-Contact Forehead Thermometer is a non-sterile, reusable, clinical thermometer intended for the intermittent determination of human body temperature in a “no touch” mode, using the center of the forehead as the measurement site on people of all ages, in a home use environment.

## Important Safety Instructions

- 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). For cleaning, please follow the instructions in the “Care and Cleaning” section.
- **DO NOT** store this thermometer in temperature extremes below -25 °C or over 55 °C (below -13 °F or over 131 °F) or in excessive humidity (up to 95% non-condensing relative humidity).
- Let the thermometer and individual being measured acclimate to the temperature of the room in which the measurement will be taken.
- Thermometer needs to adjust to the room temperature for 30 minutes before taking a measurement.
- The individual being measured should be indoors for 30 minutes before taking a measurement. External temperature can impact skin temperature.
- **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 instrument. Protect it from severe impact and shock. **DO NOT** twist the instrument or the measuring 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 neonates and infants, or in adults who are old, frail, or have a weakened immune system. 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 37.4 °C [99.4 °F])
  - Individuals over 60 years of age (Fever may be blunted or absent in older patients)
  - Individuals having diabetes mellitus or a weakened immune system (e.g., HIV positive, cancer chemotherapy, chronic immunosuppressant treatment, splenectomy)
  - Individuals who are bedridden (e.g., nursing home patient, stroke, chronic illness, paraplegia, quadriplegia, surgical recovery)
  - A transplant recipient (e.g., liver, heart, lung, kidney)
- This thermometer is not intended for pre-term babies or small-for-gestational age babies. Pre-term is defined as a baby, born before 37 weeks of pregnancy are completed. Small-for-gestational age is defined as a newborn baby (birth to 4 weeks of age), born at 37 weeks or later, with a weight below the 10th percentile for newborn babies of the same gestational age.
- This thermometer is not intended to interpret hypothemic temperatures. If the device displays a temperature of 36.4 °C (97.5 °F) or less with an LED backlight color green or white, and the individual is exhibiting atypical symptoms or behaviors, contact your physician or health care professional.
- **DO NOT** allow children to take their temperatures unattended.
- Please consult your physician 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 antibiotics, analgesics, or antipyretics 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.

## Product Description (see page 1)

- |                  |                   |
|------------------|-------------------|
| (1) Power Button | (4) Mode Button   |
| (2) Scanner      | (5) Memory Button |
| (3) LCD Screen   |                   |

## How does the Vicks Non-Contact Forehead work?

The Non-Contact Forehead Thermometer measures infrared energy radiated from the skin at the center of the forehead area. This captured energy is collected through the lens and converted to a body temperature value.

The Non-Contact 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<sup>1</sup>

Temperature guidance helps you to better understand the meaning of your child's temperature with the color indicated on the display. The screen displays GREEN for a normal temperature, YELLOW for an elevated temperature, and RED for a high temperature. 4 double beeps indicate temperatures above 37.4 °C (99.4 °F) to alert the user that the individual may have a temperature.

Color Range	Reading	Meaning
Green	35.8 - 37.4 °C (96.4 - 99.4 °F)	Normal
Yellow	>37.4 - 38.5 °C (>99.4 - 101.3 °F)	Elevated
Red	>38.5 °C (>101.3 °F)	High

**NOTE:** Backlight remains OFF when below temperature readings are registered: 34°C ≤ T ≤ 35.7 °C (93.2°F ≤ T ≤ 96.3 °F)

## 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. Take multiple readings when healthy to determine normal temperature.

A child's normal temperature can be as high as 37.7 °C (99.9 °F) or as low as 36.1 °C (97.0 °F). Be sure to note this unit reads 0.5 °C (0.9 °F) lower than a rectal digital measurement.

The individual being measured and the thermometer should be in the same ambient temperature for 30 minutes.

**ALWAYS** hold the thermometer and the forehead steady when taking a reading. **DO NOT** move the thermometer until you hear the final beep. **DO NOT** take a measurement while or immediately after nursing a baby.

Individuals should not drink, eat, or be physically active before/while taking the measurement. Remove hats and wait 30 minutes before taking a measurement.

Before taking a measurement, remove dirt or hair from the forehead area. Wait 10 minutes after cleaning the forehead before taking a measurement.

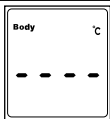
**ALWAYS** take the temperature exactly as directed. Temperature results may vary if positioned in the wrong location or wrong distance from the forehead.

1. Herzog L, Phillips S. Addressing Concerns About Fever. Clinical Pediatrics. 2011; 50(5): 383-390.

## How To Use The Vicks Non-Contact Forehead Thermometer For Human Temperature

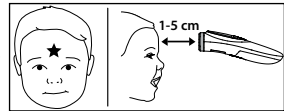
### 1. Turn On

Press the POWER button to turn device on. The device will be ready to take a measurement when 4 dashes appear on the LCD screen and the °C or °F symbol is displayed in the right top corner. "Body" will also be displayed in the left top corner.



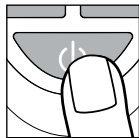
### 2. Position

Position thermometer 1-5 cm (0.4-2 inches) away from the center of the forehead, just between the eyebrows. If the eyebrow area is covered with hair, sweat or dirt, please clean the area beforehand to improve the reading accuracy. It is important to hold the thermometer and the forehead steady during measurement. Movement will impact the temperature reading.



### 3. Take Temperature

Press the POWER button to take a temperature measurement.

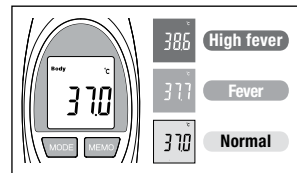


### 4. Read Temperature

One long beep for normal temperature and 4 double beeps for elevated or high temperature will be heard when the measurement is complete (unless you have the sound muted).

The LCD backlight will illuminate green, yellow or red.

To take another reading repeat steps 2-4.



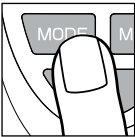
### 5. To Turn Off

To conserve battery power, the unit will automatically shut down after 18 seconds of no use.

# How To Use The Vicks Non-Contact Forehead Thermometer For Food & Bath Temperatures

## 1. Select Surface Temperature Setting

With the device powered On, press the MODE button to switch from human to surface temperature. The screen will change from “body” to “surface temp” on the top of the LCD screen.



## 2. Position

Position thermometer 1-5 cm (0.4-2 inches) away from food or bath water. Ensure that you are aiming directly at the food or bath water and not at the food container or walls of the bath tub. Ensure that the thermometer is not directly in-line of steam, as this can impact reading. **DO NOT** touch food or bath water with the thermometer.

## 3. Take Temperature

Press the POWER button to take a temperature measurement.



## 4. Read Temperature

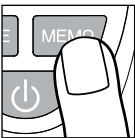
A confirmation beep will be heard, indicating the measurement is complete. The temperature measurement will be displayed on the LCD screen.

Note: The backlight will be green regardless of temperature measurement when in food/bath mode.



## How To View Temperatures In Memory

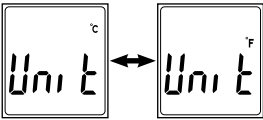
Press the “MEMO” button to view previous temperatures. The previous 10 temperatures can be displayed on the LCD screen. The most recent temperature taken will be the first temperature displayed after pressing the “MEMO” button. To view the next most recent temperature taken, press the “MEMO” button again.



To clear the memory of previous temperatures, press and hold the “MEMO” button for 4 seconds.

## Change From Celsius To Fahrenheit

Press and hold the MODE button for 3 seconds. The LCD screen will display the word “Unit” in the center of the screen and “°C” in the right top corner.



Press the MODE button to change from °C to °F and then MEMO button to save setting.

## How To Turn Off Sound

After setting the Fahrenheit/Celsius setting the screen will then change to the Mute function. The display will show the speaker icon and the word “On.” Press the MODE button to change to “Off” to mute the sound. Press the MEMO button to save selection.



## Changing The Batteries


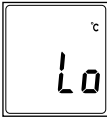

The Non-Contact Forehead thermometer comes with 2 AAA batteries.

Replace with 2 new AAA batteries when the flashing battery symbol appears on the LCD screen. 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 batteries from the thermometer if it will not be used for an extended period of time to avoid damage to the product resulting from a leaking battery.

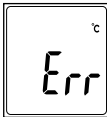




To protect the environment, dispose of empty batteries at appropriate collection sites according to national or local regulations.

## Error Messages

Error Message	Situation	Solution
	Individual or object being measured is above temperature range of device, above 43 °C (109.4 °F) in human body temperature mode or 100 °C (212 °F) in surface temperature mode.	Make sure there are no obstacles in front of forehead or object being measured and ensure you are 1~5 cm from the forehead or object being measured. In addition, make sure the device is in the room for 15-20 minutes before taking a measurement. Lastly, wait 1 minute for every 2 measurements taken.
	Individual or object being measured is below temperature range of device, below 34 °C (93.2 °F) in human body temperature mode or 0 °C (32 °F) in surface temperature mode.	Make sure there are no obstacles in front of forehead or object being measured and ensure you are 1~5 cm from the forehead or object being measured. In addition, make sure the device is in the room for 15-20 minutes before taking a measurement. Lastly, wait 1 minute for every 2 measurements taken.
	Blank display Thermometer does not have power.	Please check if the batteries have been loaded correctly. Also check polarity (+) and (-) of batteries.  Check to see if batteries are dead and need to be replaced. Contact Consumer Relations if thermometer still does not function.

## Error Messages

Error Message	Situation	Solution
	When ambient temperature is too high or too low to take an accurate reading, device will provide an "Err" message.	When you receive this symbol, press the power button to reset the thermometer before taking a new measurement. If the ambient temperature is now within the allowed range of 15°-40°C, you will be able to take a reading.
	If the dead battery icon is steady and the only symbol on the display, the device cannot work.	See "Changing the Batteries" for instructions.
	System error-self-check display flashes all segments continuously and will not be followed by the ready display.  If error persists...  If error still persists...	Wait 1 minute until the thermometer turns off automatically, then turn on the thermometer again.  Reset the thermometer by re-moving the batteries and putting them back in.  Please contact Consumer Relations

Care and Cleaning

The thermometer should be cleaned between uses. Use an alcohol swab or a cotton swab moistened with alcohol (70% Isopropyl) to wipe the thermometer casing and measuring probe for 90 seconds. Wait 10 minutes, allowing the thermometer to air-dry, before taking a measurement. Ensure that no liquid enters the interior of the thermometer. **NEVER** use abrasive cleaning agents, thinners, or benzene for cleaning, and **NEVER** immerse the thermometer in water or other cleaning liquids.

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

Warranty

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

This product has been produced with the greatest care for normal, household use. Following directions carefully will ensure dependable operation. If for any reason (other than misuse or normal battery operation) you are dissatisfied with your Vicks Non-Contact Forehead Thermometer, we will repair or replace it, at our option, at no charge during the 2 year warranty period. Modification to the product by the consumer is not authorised and voids the warranty.

If the thermometer does not function properly, first check the battery. Replace if necessary. Batteries and packaging are excluded from the warranty.

If you experience unsatisfactory operation, please contact Felton Grimwade & Bosisto's. If repair is required under the warranty period, the product should be returned with proof of purchase to Felton Grimwade & Bosisto's service centre.

The purchaser assumes responsibility for the proper care and use of the product in accordance with the printed operating manual. The purchaser or user must make his or her judgment as to when to use the product and the length of use. Keep the operation manual available as it is your guide to safe, efficient operation.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Product Specifications

Type:	Non-Contact Forehead Thermometer (VNT200)
Measuring range:	Body: 34.0 °C – 43.0 °C (93.2 °F – 109.4 °F) Object: 0 °C – 100.0 °C (32.0 °F – 212.0 °F)
Resolution:	0.1 °C (0.1 °F)
Laboratory Accuracy:	Body Mode: ±0.2 °C for the range 35.0 °C – 42.0 °C (±0.4 °F for 95.0 °F – 107.6 °F)  ±0.3 °C (±0.5 °F) for the range outside 35.0 °C – 42.0 °C (95.0 °F – 107.6 °F)  Surface Mode: ±2.0 °C for the range 0.0 °C – 100.0 °C (±3.6 °F for 32.0 °F – 212.0 °F)

This thermometer displays a calculated oral equivalent estimate.

Display:	Liquid Crystal Display, 4 digits plus special icons
Acoustic:	Normal: Green backlight, One long beep for normal temperature Elevated or high temperature: Yellow or Red backlight, 4 double beeps Erase memory: one long beep
Operating temperature:	15 °C – 40 °C (59.0 °F to 104 °F)
Automatic Switch-off :	Approx. 20 seconds after any button is pressed
Weight:	85.6 g (with batteries), 63.0 g (w/o batteries)
Long term storage ranges	
Storage/transport temperature:	-25 °C to 55 °C (-13 °F – 131 °F)
Humidity:	15–95% non-condensing
Battery:	(2) AAA Batteries - at least 1000 measurements
Pressure:	700-1060 hPa (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, Health & Home, 400 Donald Lynch Blvd., Suite 300, Marlborough, MA 01752.

ASTM laboratory accuracy requirements for the thermometer only in the display range of 36 °C to 39°C (96.8 °F to 102.2 °F) for infrared thermometers is ±0.3 °C (±0.5 °F), whereas for mercury-in-glass and electronic thermometers, the requirement per ASTM Standards E 667-86 and E 1112-86 is ±0.1 °C (±0.2 °F).

### This device conforms to the following standards:

- EN 60601-1:2014 – Medical Electrical Equipment – Part 1: General requirements for basic safety and essential performance
- ISO 80601-2-56:2017 – Medical electrical equipment – Part 2-56: Particular requirements for basic safety and essential performance of clinical thermometers for body temperature measurement
- ASTM E1965-98:2016 – Standard Specification for Infrared Thermometers for Intermittent Determination of Patient Temperature
- IEC 60601-1-2:2014 Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral Standard: Electromagnetic disturbances – Requirement and tests

**NOTE: DO NOT** use this device in the presence of electromagnetic or other interference outside the normal range specified in IEC 60601-1-2:2014.

- ISO 15223-1:2016 - Medical devices - Symbols to be used with medical device labels, labeling and information to be supplied - Part 1: General requirements
- EN 1041:2013 Information supplied by the manufacturer of medical devices
- IEC 60601-1-11:2015 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



To protect the environment, dispose of empty batteries at appropriate collection sites according to national or local regulations.

Keep out of reach of young children, elderly and pets.



BF Type applied part.



See Instruction of use.

**IP22** Protected against solid foreign objects of 12.5 mm diameter and larger.  
Protected against water drops falling vertically when the device is tilted up to 15°.



Helen of Troy cares about the environment, please recycle.



Distributed by:

Felton Grimwade & Bosisto's Pty. Ltd.  
61-81 Clarinda Road (PO Box 74),  
Oakleigh South, Victoria 3167, Australia

Customer service:

Free call: 1 800 655 841

E-mail: [cservice@fgb.com.au](mailto:cservice@fgb.com.au)

Website: [www.fgb.com.au](http://www.fgb.com.au)



Australian sponsor:

RQsolutions Pty Ltd

Suite 1A Level 2, 802 Pacific Highway, Gordon NSW 2072

**Visit:** [www.VicksThermometers.com](http://www.VicksThermometers.com)

Please be sure to specify the model number.

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