

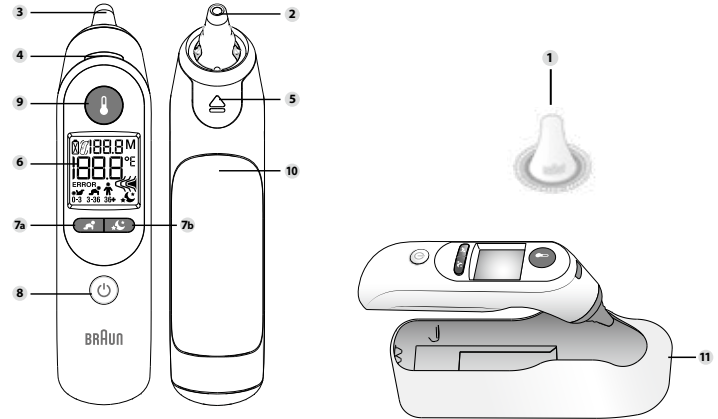
BRAUN

ThermoScan® 7+

Ear thermometer



IRT6525AU



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Made in Mexico.



REF IRT6525AU

P/N: A008221R0
12OCT22

Product description (see page 1)

- 1 Disposable lens filter (a box of 20 is supplied + 1 already installed)
- 2 Probe tip
- 3 Probe
- 4 ExacTemp® light
- 5 Lens filter ejector
- 6 Display
- 7a AgeSmart™ button
- 7b Night Mode button
- 8 Power button
- 9 Start button
- 10 Battery door (2X 1.5V type AA (LR6) batteries)
- 11 Protective case

Intended use and contraindications

The Braun ThermoScan® Ear thermometer is intended to be used by home users for intermittent measurement of the body temperature of patients having ages ranging from normal weight (full term) new-born to geriatric adult.

This thermometer is not intended for clinical use in a professional environment and are for home usage only.

The AgeSmart™ feature is not intended for pre-term babies or small-for-gestational age babies.

This thermometer is not intended to interpret hypothermic temperatures.

Do not allow children under 12 to take their temperatures unattended.

Use of the IRT6525 is not intended as a substitute for consultation with your physician.

Warnings and Precautions

- 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. in spite of any colour of the background light or absence of fever.
- Please consult your physician if the thermometer shows elevated temperature (yellow or red background lights).

The operating ambient temperature range for this thermometer is 10 – 40 °C (50 – 104 °F). Do not expose the thermometer to temperature extremes (below -25 °C / -13 °F or over 55 °C / 131 °F) or excessive humidity (>95% RH). This thermometer must only be used with genuine Braun ThermoScan® disposable lens filter (LF 40).

To avoid inaccurate measurements always use this thermometer with a new, clean lens filter attached.

If the thermometer is accidentally used without a lens filter attached, clean the lens (see «Care and cleaning» section). Keep lens filter out of reach of children.

This thermometer is intended for household use only. This product is not intended to diagnose any disease, but is a useful screening tool for temperature. Use of this thermometer is not intended as a substitute for consultation with your doctor.

This thermometer is not intended for pre-term babies or small-for-gestational age newborn babies (birth to 4 weeks of age). Pre-term is defined as babies born before 37 weeks of gestation. Small-for-gestational-age is defined as a newborn baby, born at 37 weeks or later, with a weight below the 10th percentile for newborn babies of the same gestational age. The AgeSmart™ feature is not intended to interpret hypothermic temperatures. Do not allow children to take their temperatures unattended.

Do not modify this equipment without authorization of the manufacturer.

Parents/guardians should call the pediatrician upon noticing any unusual sign(s) or symptom(s).

For example, a child who exhibits irritability, vomiting, diarrhea, dehydration, seizure, changes in appetite or activity, even in the absence of fever, or who exhibits a low temperature, may still need to receive medical attention.

Children who are on antibiotics, analgesics, or antipyretics should not be assessed solely on temperature readings to determine the severity of their illness.

Temperature elevation as indicated by AgeSmart™ may signal a serious illness, especially in adults who are old, frail, have a weakened immune system, or neonates and infants. 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 doctor immediately if the temperature exceeds 37.4 °C or 99.4 °F)
 - patients over 60 years of age
 - patients having diabetes mellitus or a weakened immune system (e.g. HIV positive, cancer chemotherapy, chronic steroid treatment, splenectomy)
 - patients who are bedridden (e.g. nursing home patient, stroke, chronic illness, recovering from surgery)
 - a transplant patient (e.g. liver, heart, lung, kidney)
- Fever may be blunted or even absent in elderly patients.

This thermometer contains small parts that can be swallowed or produce a choking hazard to children. Always keep the thermometer out of children's reach.

AgeSmart™ colour-coded display


Clinical research shows the definition of fever changes as newborns grow into children and children grow into adults¹.

Braun's AgeSmart™ takes the guesswork out of interpreting temperature for the entire family.

Simply use the AgeSmart™ button to select the appropriate age setting, take a temperature and the colour-coded display will glow green, yellow or red to help you understand the temperature reading.

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

How to use your Braun ThermoScan®

1. Remove the thermometer from the protective case.
2. Push the Power button .


During an internal self-check, the display shows all segments. Then the last temperature taken will be displayed for 5 seconds.

3. The lens filter indicator will blink to signal one is needed.

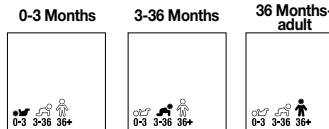
To achieve accurate measurements, make sure a new, clean lens filter is in place before each measurement.

Attach a new lens filter by pushing the thermometer probe straight into the lens filter inside the box and then pulling out.

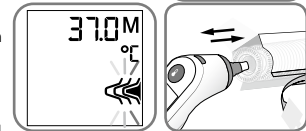
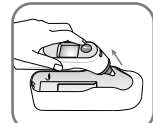
Note: The Braun ThermoScan® will not work unless a lens filter is attached.


4. Select age with AgeSmart™ button  as shown below. Press button to toggle through each age group.

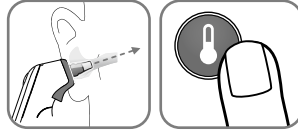
NOTE: You must select an age in order to take a measurement.



The thermometer is ready to take a temperature when the display looks like the images below.



5. Fit the probe snugly into the ear canal and direct towards opposite temple. Then push and release the Start button .

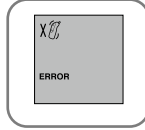
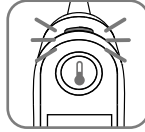


6. ExacTemp® light will pulse while temperature measurement is in progress. The light will remain solid for 3 seconds to indicate that a successful temperature reading has been achieved.

NOTE: If the probe has been properly inserted into the ear canal during the measurement, a long beep will sound to signal the completed measurement.





If the probe has not been constantly placed in a stable position in the ear canal, a sequence of short beeps will sound, the ExacTemp® Stability Indicator light will go out and the display will show an error message (ERROR + position error animated icon = position error).


See «Errors and troubleshooting» section for more information.




7. The confirmation beep indicates that an accurate temperature measurement has been taken. The result is shown on the display. Temperature reading displayed is an equivalent of oral temperature.



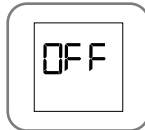
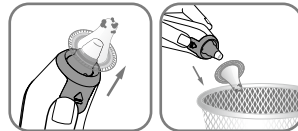
Age range	Green Normal temperature	Yellow Fever	Red High fever
 0-3 Months	≥35.8 – ≤37.4 °C (≥96.4 – ≤99.4 °F)		>37.4 °C (>99.4 °F)
 3-36 Months	≥35.4 – ≤37.6 °C (≥95.7 – ≤99.6 °F)	>37.6 – ≤38.5 °C (>99.6 – ≤101.3 °F)	>38.5 °C (>101.3 °F)
 36 Months - adult	≥35.4 – ≤37.7 °C (≥95.7 – ≤99.9 °F)	>37.7 – ≤39.4 °C (>99.9 – ≤103.0 °F)	>39.4 °C (>103.0 °F)

8. For the next measurement, press Eject button  to remove and discard used lens filter, and put on a new, clean lens filter.

NOTE: Defaults to last age setting used if you do not change.

The Braun ThermoScan® Ear thermometer turns off automatically after 60 seconds of inactivity. The thermometer can also be turned off by pressing the Power button .

The display will briefly flash OFF and it will go blank.



Temperature-taking hints

Replace disposable lens filter (single use device) with every use to maintain accuracy, hygiene and to prevent cross-contamination. Earwax and dirt on the tip of the lens filter, even in a microscopic layer, can create an obstacle between the sensor and the infrared heat emitted by the ear and impact the accuracy of the measurement.



External factors like poor probe replacement, used lens filter or dirty lens filter may influence ear temperature measurements.

In clinical studies, precision and accuracy of ear thermometer measurement has been shown to be influenced by variability in user technique. **Correct probe placement is essential for accurate measurements.**

Temperature in right and left ear differs, always compare measurements from the same ear. The natural physiological difference may reach 0.2 °C. In the absence of confounding factors, in high-risk population (like infants or immunodepressed people) use the highest of the two to interpret the patient's condition.

In the following cases, wait 20 minutes prior to taking a temperature: extreme changes in room temperature, hearing aid, lying on a pillow. Use the untreated ear if ear drops or other medications have been placed in the ear canal.

Night mode

Night mode is entered by pressing the night mode button. Secondary press of night mode button turns nightmode off - both sound on and flashlight off. The night mode remains on until the thermometer enters sleep mode through time out or power button press. When the thermometer is turned back on it will enter normal mode.



In night mode, all audible beeps are muted, the Night mode icon is displayed on the screen and flashlight will turn on.

At completion of the measurement the flashlight will flash 4 times and stay on afterwards. Nightmode will stay on until night mode button is pressed or the device is turned off.



How to illuminate the display

The thermometer includes a convenient night light to illuminate the display in a dim environment.

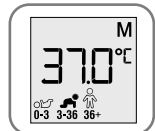
The light will turn on when you press any button. It will stay on until the thermometer is inactive for up to 15 seconds even after temperature is taken.



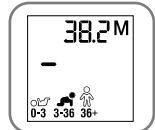
Last reading recall

The previous measurement will be displayed during start up.

After this, the previous measurement will be displayed in the upper right-hand corner of the display with an 'M' next to it.

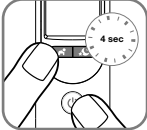
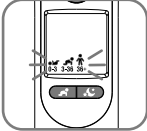




The memory in the upper right corner will update to the new reading with the first button press after the reading is completed.



How to set a default age group


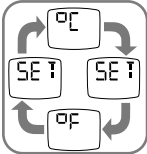

You have the option to set a default AgeSmart™ age group. This will allow the device to power on and be used in default selection without re-selecting with each power on.

- When the device is off, hold both the power button and the AgeSmart™ button for 4 seconds, the backlight will turn yellow, you can then release the buttons.
 
- All Age Icons will flash continuously until the AgeSmart™ button is pressed.
 
- Press the AgeSmart™ button, the 0-3 month icon will be filled in and flash and the other icons will be empty. A second button press will advance to the 3-36 month icon flashing, a third will advance to 36+months flashing. This cycle continues in order with each button press. A full beep will sound with every button press.
 
- After 3 seconds of no button press, the displayed icon will remain on the screen and a full beep will sound. The device will turn off. When the device is turned back on, the default will be set.
 


Default will be set on the device until the batteries are removed and then put back in.

How to change temperature between °C and °F

Your Braun ThermoScan® is shipped with the Celsius (°C) temperature scale activated. If you wish to switch to Fahrenheit (°F) and/or back from Fahrenheit to Celsius, proceed as follows:

- Make sure the thermometer is turned off.
- Press and hold down the Power button . After about 3 seconds the display will show this sequence: °C / SET / °F / SET.
 
- Release the Power  button when the desired temperature scale is shown. There will be a short beep to confirm the new setting, then the thermometer is turned off automatically.

Care and cleaning

 The probe tip is the most delicate part of the thermometer. It must be clean and intact to ensure accurate readings. If the thermometer is ever accidentally used without a lens filter, clean the probe tip as follows:

Very gently wipe the surface with a cotton swab or soft cloth moistened with alcohol. After the alcohol has completely dried out, you can put a new lens filter on and take a temperature measurement.



If the probe tip is damaged, please contact local service center.


Use a soft, dry cloth to clean the thermometer display and exterior. Do not use abrasive cleaners. Never submerge this thermometer in water or any other liquid. Store thermometer and lens filters in a dry location free from dust and contamination and away from direct sunlight.

Additional lens filters (LF 40) are available at most stores carrying Braun ThermoScan®.













Replacing the batteries

- Insert new batteries when the battery symbol appears on the display.
- Open the battery compartment. Remove the batteries and replace with new batteries, making sure the poles are in the right direction.
 
- Snap battery door into place.
 

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

Errors and troubleshooting

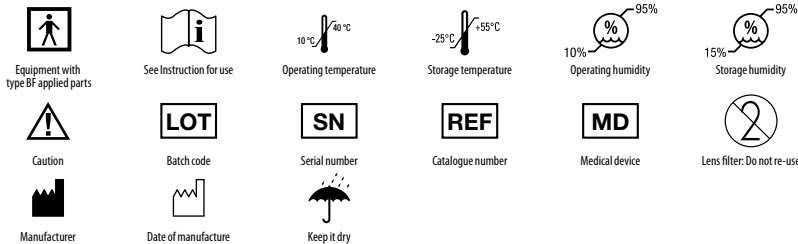
Error message	Situation	Solution
	No lens filter is attached.	Attach new, clean lens filter.
	The thermometer probe was not positioned securely in the ear.	Take care that the positioning of the probe is correct and remains stable.
	An accurate measurement was not possible. ERROR + position error animated icon	Replace lens filter and reposition. Press Start button to begin a new measurement.
	Ambient temperature is not within the allowed operating range (10 – 40 °C or 50 – 104 °F).	Allow the thermometer to remain for 30 minutes in a room where the temperature is between 10 and 40 °C or 50 and 104 °F.
	Temperature taken is not within typical human temperature range (34 – 42.2 °C or 93.2 – 108 °F).	Make sure the probe tip and lens are clean and a new, clean lens filter is attached. Make sure the thermometer is properly inserted. Then, take a new temperature.
	HI = too high LO = too low	
	System error – self-check display flashes continuously and will not be followed by the ready beep and the ready symbol. If error persists, If error still persists,	Wait 1 minute until the thermometer turns off automatically, then turn on again. ... reset the thermometer by removing the batteries and putting them back in. ... please contact the Service Centre.
	Battery is low, but thermometer will still operate correctly.	Insert new batteries.
	Battery is too low to take correct temperature measurement.	Insert new batteries.
	System error without messages or completely dead batteries	Insert new batteries. If the error persists, call customer service.

Product specifications

Displayed temperature range:	34 – 42.2 °C	(93.2 – 108 °F)
Operating ambient temperature range:	10 – 40 °C	(50 – 104 °F)
Storage temperature range:	-25 – 55 °C	(-13 – 131 °F)
Operating relative humidity:	10-95% RH (noncondensing)	
Storage relative humidity:	15-95% RH (noncondensing)	
Display resolution:	0.1 °C or °F	
Accuracy for displayed temperature range	Maximum Laboratory Error	
35 – 42 °C (95 – 107.6 °F):	±0.2 °C	(±0.4 °F)
Outside this range:	±0.3 °C	(±0.5 °F)
Clinical repeatability:	±0.14 °C	(±0.26 °F)
Battery Type:	2 X 1.5V type AA (LR 06) batteries	
Battery life:	2 years/350 measurements/ 100 minutes in nightmode	
Service life:	5 years	
Accessory:	Lens filter, LF40/LF20, single use	

The measured temperature is converted to an oral equivalent value.

This thermometer is specified to operate at 1 atmospheric pressure or at altitudes with an atmospheric pressure up to 1 atmospheric pressure (700 - 1060 hPa).




Subject to change without notice.

This medical device carries the CE mark and is manufactured in conformity with RoHS Directive 2011/65/EU and other applicable directive and/or regulations as specified in the EU Declaration of Conformity. Full responsibility for the conformance of the product to the standard is assumed by Kaz Europe Sarl, Place Chauderon 18, CH-1003 Lausanne, Switzerland.

ASTM laboratory accuracy requirements in the display range of 37 to 39 °C (98 to 102 °F) for IR thermometers is ± 0.2 °C (± 0.4 °F), whereas for mercury-in-glass and electronic thermometers, the requirement per ASTM Standards E667-86 and E1112-86 is ± 0.1 °C (± 0.2 °F).

MEDICAL ELECTRICAL EQUIPMENT needs special precautions regarding EMC. NOTE: Do not use this device in the presence of electromagnetic or other interference outside the normal range specified in EN 60601-1-2. For detailed description of EMC requirements please visit website (Support / Document center) or contact service center.

Portable and mobile RF communications equipment can affect MEDICAL ELECTRICAL EQUIPMENT.

 This product contains batteries and recyclable electronic waste. To protect the environment, do not dispose of it in the household waste, but take it to appropriate local collection points.

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 of the temperature measurement, please contact your authorized service center.

Manufacturing date is given by the LOT number located in the battery compartment.

The first three (3) digits after LOT represent the Julian date that the product was manufactured and the next two (2) digits represent the last two numbers of the calendar year the product was manufactured. The last identifiers are the letters that represent the manufacturer.

An example: LOT 11614K, this product has been manufactured on the 116th day of the year 2014.

Brand: Braun
Category: Thermometer

Model: **IRT6525AU**
Artwork Part #: A008221R0
Die Line Part #: N/A

Subject: Owner's Manual
Region: AP-AU
Flat Size: **MM: W254 x H177.8**
Folded Size: **MM: W127 x H177.8**
Scale: 1/1
Material: 50# matte text (inside pages)
Minimum 80# gloss (cover)
Page Count: 12
Revision: 5

Date: **12OCT22**
Release Date:
Re-release Date:

Colors:

Dielines (Do not print)

Spot Colors

Cyan
0%Magenta
0%Yellow
0%Black
100%**Special Instructions:**

**Quality Requirement of Artwork and Quality
Clarification Process of Artwork Printing:
Meet Eng-QS-06&02**

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