



digital fever alert ear thermometer

suitable from birth

instruction manual



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instruction manual

Please read these instructions carefully before using the thermometer and keep them in a safe place for future reference.

FOR DOMESTIC USE ONLY.

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product features

measurement in 1 second

This innovative technology allows measurement of ear temperature in only 1 second. The Thermometer then converts this reading to the familiar oral reading equivalent.

accurate and reliable

The unique probe design and the advanced sensor provide a very accurate and reliable temperature measurement.

gentle and easy to use

● Special ergonomic design enables simple and easy use of the thermometer.

- Non-invasive technology.
- A measurement can be taken even while a child is sleeping.
- Small probe tip is ideal for children.

fever alert feature

This feature displays a colour indicator with temperature readout to better understand temperature measurement

memory recall feature

The product displays the last temperature reading automatically for 2 seconds when the unit is switched on.

This feature helps to keep track of your child's progress.

safe and hygienic

- No risk of broken glass or mercury ingestion.
- Completely safe from birth.
- 20 probe covers included to keep probe tip clean and hygienic and to ensure accuracy.

important safety instructions

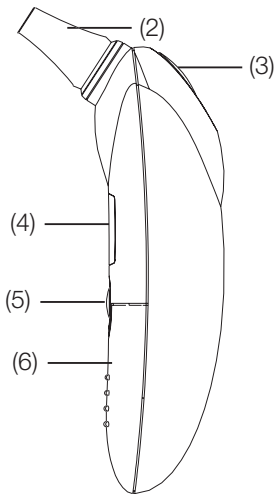
- Never use the thermometer for purposes other than body temperature measurement. Please follow the safety precautions when using on children.
- **Always use the thermometer with a new undamaged Probe Cover for each measurement to prevent the spread of germs and to ensure accurate temperature reading. Only Mothercare branded probe covers ensure that you get an accurate measurement. If you obtain a lower reading than expected, follow instructions on Page 7 for cleaning the probe.**
- Earwax in the ear canal may cause a lower temperature reading. Make sure child's ear canal is clean to ensure an accurate reading.
- Never immerse the ear thermometer in water or other liquids. The thermometer is not waterproof.
For cleaning and disinfecting please follow the instructions in the "Cleaning and Storage" section.
- Keep the thermometer and the probe covers away from direct exposure to the sun and keep it in a dust-free, dry area at a temperature between 50°F - 104°F. (10°C- 40°C)
- Do not use the thermometer if there are signs of damage on the probe tip or on the instrument itself. If damaged, do not attempt to repair the thermometer! Please contact the Mothercare customer care line.
- The ear thermometer consists of high quality precision parts. Do not drop the instrument. Protect it from severe impact and shock. Keep the unit in its storage case when not in use.
- Paediatricians recommend ear thermometer use for children 12 months old and above. It may be difficult to get accurate readings for infants from newborn to 12 months due to the early development and curvature of the ear canal. For use on children under 12 months, follow the detailed instructions on page 5.

warning!

- Please keep the probe covers out of the reach of children. They may present a choking hazard.
- Use of this thermometer is not intended as a substitute for consultation with your doctor.
- This thermometer is not waterproof! NEVER immerse into liquids!

product description

- (1) probe cover
- (2) probe
- (3) start button
- (4) LCD display
- (5) on/off button (O/I)
- (6) battery cover



probe cover
applicator
hole

how the ear thermometer takes a reading

The ear thermometer measures the heat radiated from the eardrum and the surrounding tissue. This energy is collected through the lens and converted to a temperature value equivalent to the commonly used oral reading.

The measured reading obtained directly from the eardrum (Tympanic Membrane) can ensure the most accurate body temperature. The accuracy of a reading will depend on your technique, so please follow instructions for use carefully.

We recommend that you practice using the ear thermometer on yourself and your family members when they are healthy. You will then be more confident using the ear thermometer when a family member is ill.

what is a normal temperature?

Normal body temperature varies from person to person. It is important to be familiar with you and your child's healthy temperature range to help you identify what is normal. You can do this with your Mothercare Digital Fever Alert Ear Thermometer. Please note that ear, oral, rectal and underarm temperature readings also vary, therefore readings taken from different body sites should not be directly compared.

normal temperature range by age:

age	fahrenheit	celsius
0-2	97.5°F - 100.4°F	36.4°C - 38.0°C
3-10	97.0°F - 100.0°F	36.1°C - 37.8°C
11-65	96.6°F - 99.7°F	35.9°C - 37.6°C
> 65	96.4°F - 99.5°F	35.8°C - 37.5°C

directions for use

Note: To ensure an accurate reading always use a probe cover. Be sure to use a new probe cover with each use to ensure accuracy and prevent the spread of germs.

Discard broken or torn probe covers.

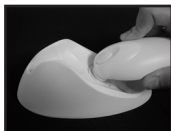
Use only Mothercare Probe Covers.



- (1) Place a probe cover onto the storage base hole with paper side facing up.



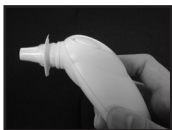
- (2) Firmly insert ear thermometer probe into the centre of the probe cover.



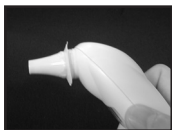
- (3) Completely push the probe into the storage base hole.



- (4) After feeling a slight click, take out the probe with cover attached securely.



incorrect

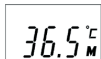


correct

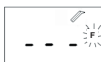
1. Press the **O/I** button once to turn the ear thermometer on. The display will show all icons momentarily while the ear thermometer runs a test.



2. The last measurement reading will appear on the display for about 3 seconds with a 2 second green/red backlight. You will see a small "M" next to the temperature reading. This memory feature helps you track your child's progress.



3. The ear thermometer will beep and the °F or °C icon will flash, indicating that the thermometer is ready to take a reading.



4. Straighten the ear canal by pulling the outer ear up and back to give a clear view of the eardrum.

- For children under 1 year:
Pull the ear straight back
- Children ages 1 year to adult:
Pull the ear up and back.
- For an infant, it is best to have the child laying flat with head sideways so the ear is facing towards you.
For an older child or adult, it is best to stand behind and slightly to the side.



Less than 1 year old



1 year and older, including adults



5. While gently pulling the ear, insert the probe snugly into the ear canal and press the "START" button until you hear a beep sound. You should hear this beep after about 1 second; It indicates the reading is complete.



6. Remove the thermometer from the ear canal. Read the temperature measurement on the display.

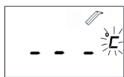
- For readings below 99.5°F (37.5°C), the LCD will display a green backlight colour for 5 seconds and one long beep will sound, indicating the measurement is within an acceptable range.
- For readings above 99.5°F (37.5°C), the LCD will display a red backlight colour for 5 seconds and 10 double beeps will sound indicating possible fever.

note:

- Always take measurements in the same ear since temperature readings may be different from the right and left ear.
- In order to assure accurate readings, please wait at least 30 seconds after 3-5 continuous measurements.
- In the following situations it is recommended that three temperatures in the same ear be taken and the highest one taken as the reading:
 - 1) Newborn infants up to 4 months old.
 - 2) Children under three years of age with a compromised immune system and for whom the presence or absence of fever is critical.
 - 3) When you are learning how to use the ear thermometer for the first time and until you have familiarised yourself with the instrument and how to obtain consistent readings.

changing from fahrenheit to celsius and vice-versa


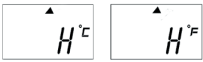



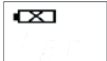
The ear thermometer can display temperature measurements in either Fahrenheit or Celsius. To switch the display between °C and °F, turn the unit off. Press and hold the START BUTTON for 5 seconds, until the current measurement scale (°C or °F icon) flashes on the display. Switch the measurement scale between °C and °F by pressing the START BUTTON again. When the measurement scale has been chosen, wait for 5 seconds and the thermometer will be ready for taking a temperature.



control displays and symbols

LCD display	display meaning	what to do
	Thermometer is running a built-in test.	Wait for memory display.
	Memory shows previous temperature reading.	Wait for ready display.
	Thermometer is ready to take a reading.	Insert ear thermometer into ear and press "START" button.
	Measurement complete.	Read temperature.
	Low battery.	See instructions on page 8 for "Replacing the Battery".

problem solving

display/problem	display/meaning	possible cause and fault remedy
	Measured temperature too low.	Probe may not have been inserted properly. Take another measurement.
	Ambient temperature too high.	Ambient temperature is higher than 40.0 °C or 104.0 °F.
	Ambient temperature too low.	Ambient temperature is lower than 10.0 °C or 50.0 °F.
	Error display.	Thermometer has malfunctioned. Turn it off and take another measurement.
	Blank display.	Please check if the battery has been loaded correctly. Also check polarity (+ and -) of batteries.
	Dead battery display.	If the steady battery icon is the only symbol shown on the display, the batteries should be replaced immediately. See page 8 for instructions.

cleaning and storage

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 immerse the instrument in water or other cleaning liquids.** Take care not to scratch the surface of the LCD display.

Remove the battery from the instrument if it is not required for extended periods of time in order to avoid damage to the thermometer resulting from a leaking battery.



replacing the battery

The mothercare digital ear thermometer is supplied with one lithium battery, type CR2032. Replace with a new CR2032 battery when the flashing battery symbol appears on the LCD display.



warning!

Keep battery out of child's reach. Swallowing battery could be fatal. Battery should not be charged or placed in extreme heat as it may rupture. Used batteries should be disposed of properly.

technical specifications

1) Measuring range	Wide measuring mode: 32°C - 42.2°C
2) Measurement time	1 second
3) Display system	Liquid Crystal Display, 3.5 digits plus special icons
4) Resolution	0.1°C/°F
5) Accuracy	Laboratory: $\pm 0.2^{\circ}\text{C}$, 32.0 - 42.2°C
6) Beeper function	One short beep when start measurement A Long beep when a measurement is completed System malfunction and abnormal measuring Error: 3 short beeps; fever alarm 10 short beeps.
7) Power source	One 3.0V CR 2032
8) Power consumption	Power off $< 2\mu\text{A}$ Power on $< 4\text{mA}$ Buzzer on $< 20\text{mA}$