

Purpose of the Device

This thermometer is intended to be used to measure the body temperature of humans who are a minimum of six months old when using the ear measuring function and suitable for all ages when using the head function. It measures the body temperature based on heat radiating from the eardrum or from the forehead. Although this thermometer has undergone extensive clinical tests and is considered safe and highly accurate, it is intended for non- professional home use only

Description of the Device



1. Sensor Cap
2. Ear Button
3. LCD Display
4. Head Button
5. Battery Cover

Description of the Display



1. Head Measurement
2. Ear Measurement
3. °F/ °C Sign
4. Low Battery
5. Memory
6. Temperature Reading

Setup instructions

First use

Before using this product for the first time, the battery protection tab must be removed. Remove this plastic tab by gently pulling it out of the battery compartment.

Replacing the Batteries

1. Release the battery cover by gently sliding it down.
2. Remove the battery cover.
3. Replace both AAA- batteries according to the polarity marked on the battery chamber.
4. Replace the battery cover and make sure all of the pins of the cover are aligned with the gaps.
5. Close the battery cover by sliding it up until you hear a click.

Operating instructions

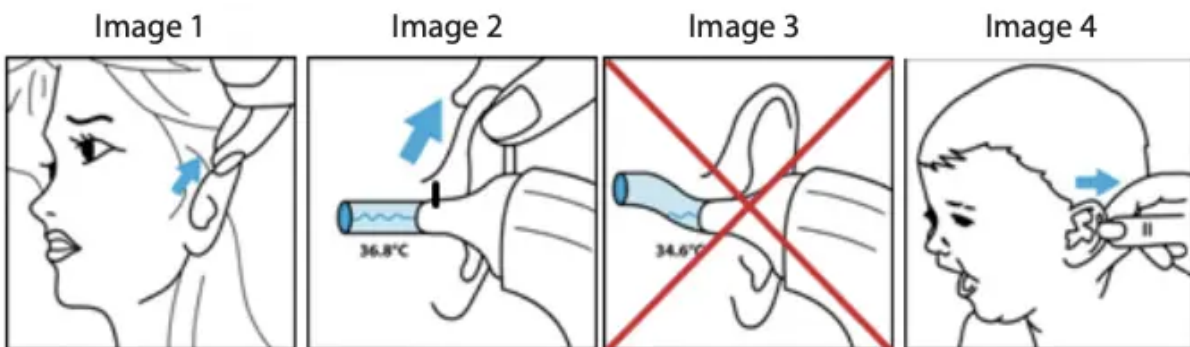
Precautions for Accurate Measurements



Carefully follow these instructions to ensure accurate temperature readings:

- Ensure that the thermometer lens is clean.
- If the thermometer is transferred to a new location with a different room temperature, wait at least 30 minutes before using it. This will allow the thermometer to adjust to the new conditions and prepare it to give the most accurate readings.
- Ensure that the ears are clean. Earwax influences the accuracy of the measurement.
- Utilize the thermometer in a closed room where there is no strong breeze or draft.
- Ear or head coverage by hair or a hat will make the ear warmer; ensure that the ear or the head has not been covered for 5 minutes prior to the measurement.
- Please be aware that intense emotions and strenuous physical exertion before taking a measurement can affect the accuracy of the reading.
- Avoid holding the thermometer in your hands any longer than necessary, since it is highly sensitive to heat. Holding the unit for more than three minutes can result in inaccurate measurements.

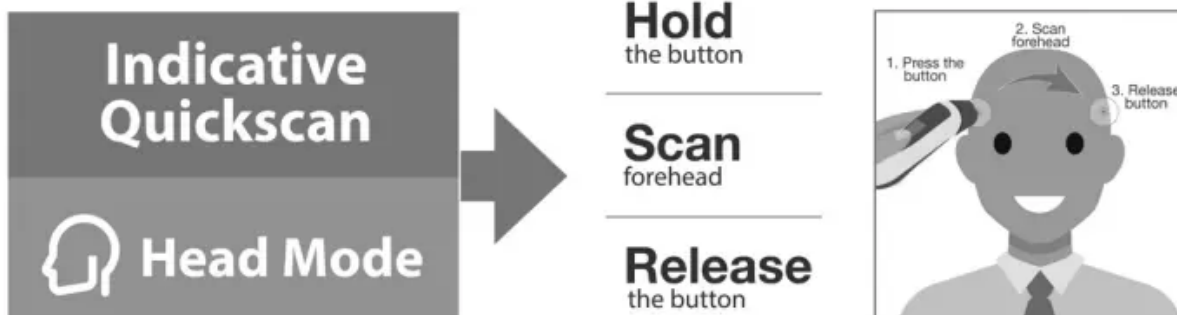
How to Correctly Perform an Ear Measurement



1. Remove the sensor cap to expose the sensor probe.
2. For adults, pull the ear backward and upward with your free hand to straighten the ear canal (image 1).
3. Gently insert the sensor into the ear canal.
4. Ensure that the sensor is aimed directly toward the eardrum (image 2).
5. If the ear canal is not straightened, inaccurate readings may result (image 3).
6. For children between 6 and 12 months old, pull the outer ear straight backward (image 4).
7. Press the button once to take the measurement.

8. A beep indicates that the measurement has been taken and the thermometer may be removed from the ear.
9. Look at the display to read the temperature.
10. Clean the sensor and cover it again with the sensor cap

How to Correctly Perform a Head Measurement



NOTE: The forehead measurement is an indicative reading. The measured forehead temperature can fluctuate up to 1.0 °F/ 0,5°C from your actual body temperature. Please be aware of the factors that influence the accuracy as described in the section ‘Precautions for Accurate Measurements’.

⚠ Always check if the lens is clean.

⚠ Always make sure the user and the thermometer will have been in the same room for at least 30 minutes prior to the measurement.

To perform a head measurement:

1. Keep or put the sensor cap in place;
2. Aim the sensor at the temple and start holding the button;
3. Move the sensor across the forehead to the other temple.
4. Release the button as soon as the sensor is at the other temple.

Tip: Touch the skin lightly but do not press the sensor too hard to the skin as this may give inaccurate measurement results. Visit [iproven](#) to watch the instruction video.

Memory Retrieval

Each time a successful measurement is performed, the measurement data is stored in the thermometer memory. The memory of this thermometer has a capacity of 20 measurements. To retrieve stored measurements follow these instructions:

1. Ensure that the thermometer is turned off. If the display is not dark, leave the buttons untouched for 10 seconds.
2. Hold the Ear button for 3 seconds, and release the button when the display shows “- - - M”

3. The last measurement will appear and the M sign will blink.
4. Press the ear button again to see the previous measurement; repeat as needed to view earlier measurements.
5. The retrieved information includes the measured temperature and the type of temperature taken (whether an ear or a head measurement).

Switch Between Fahrenheit and Celcius

1. Ensure that the thermometer is turned off. If the display is not completely dark, leave the buttons untouched for 10 seconds.
2. Press and hold the ear button for 5 seconds until the display shows “- - - °C” or “F”.
3. Release the ear button and immediately press it again to switch the temperature scale.
4. Wait 5 seconds for the thermometer to save the settings and shut itself down before you use it again.

Automatic Power-off

If the buttons are left untouched for 10 seconds, the thermometer will automatically shut down.

Measurement Results


Room Temperature Measurement

This device may be used to measure room temperatures between 32 °F and 89.5 °F, as well as 108 °F to 212 °F. This corresponds to 0.0 °C to 32 °C and 42.2 °C to 99.9 °C. To measure the room temperature press the ear button once while remaining at least 3 ft space between the sensor and any object.

Out-of-Range Temperatures

Temperature measurements that are outside the measurement ranges will result in error codes L ° or H ° on the display, accompanied by beeps and the display lighting red for three seconds. “L °” indicates that the measurement is below 32 °F, or 0 °C. “H °” indicates a measurement exceeding 212 °F, or 100.0 °C.

Interpreting the Measurement Results

Display Color	°F	°C	Indication	What to do
Red	86-95,7	30-35,4	Hypothermia	Consult doctor immediately.
Orange	95.8-96.6	35,5-35,9	Decreased temperature	Lower temperatures in the morning are perfectly normal. If you are feeling cold take a hot shower
Green	96.7-99.3	36,0-37,4	Good temperature	Your body temperature is ne.
Orange	99.4-100.3	37,5-37,9	Increased temperature	If you are not feeling well, get some rest
Red	100.4-101.3	38-38,5	Light fever	Check your temperature regularly and rest. Consult a doctor if you get worse or if the fever lasts for more than three days  For babies <6 months consult Doctor immediately
Red	101.4-103.9	38,6-39,9	Fever	Call the doctor, especially if the fever lasts for more than one day
Red	104 and higher	40 and higher	High fever	Consult doctor immediately or go to the emergency ward!

Cleaning

- Regularly clean the thermometer sensor with a damp cloth, moistened slightly with water.

- If you desire disinfecting the sensor probe you can do so by using a disinfecting wipe or a cotton ball dampened with a disinfectant.
- You can prevent the sensor from getting stained by ensuring the ear canals are clean.



Caution: This thermometer is not waterproof! Do not immerse or expose it to water or any other liquid other than using a slightly damp cloth.

Storage

- Store this thermometer at room temperature. The most accurate temperature measurement is obtained when the thermometer and the user have both been exposed to the same ambient temperature for at least 30 minutes.
- Always store this thermometer in the enclosed soft case to prevent it from collecting dust or being exposed to bacteria.
- If your thermometer is likely to remain idle for more than 90 days, we recommend you remove the batteries and store them separately.

Troubleshooting

- Error: Display shows “ ER1” + backlight is red + 3 beeps sound Meaning: The room temperature has dropped below 10 °C/ 50 °F or exceeded 40 °C/ 104 °F. Desired action: Store the thermometer at room temperature.
- Error: Display shows “ ERC” + backlight is red + 3 beeps sound Meaning: EEPROM data reading error or the correcting process is not finished. Desired action: Contact your supplier.
- Error: Display shows low-voltage signal (not blinking) Meaning: The battery voltage is below 2.61V±2%. Desired action: Replace the batteries according to the instructions.
- “L °”: Measurement is below 0 °C or 32 ° F. Desired action: Check that you are following the instructions for taking accurate measurements.
- “H °”: Measurement exceeds 99,9 °C or 212 ° F. Desired action: Make sure you are following the instructions for taking accurate measurements.

Technical Information

- Model: Dual Mode Thermometer DMT-316
- Applicable regulations and laws: ASTM 1965/EN12470BS EN ISO 80601-2-56:2012
- Temperature units: °C/ °F, adjustable
- Measurement range 0.0 °C-100.0 °C / 32.0 °F-212.0 Precision: ±0.2 °C /±0.4 °F

