

Dr. Senst

Owner's Manual

Infrared Forehead Thermometer

Model DET-306 / 521-859491



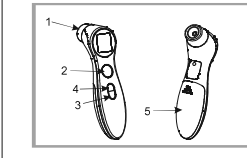
Introduction

The DET-306 Infrared Forehead Thermometer is specifically designed for safe use on the forehead. The infrared forehead thermometer is a device capable of measuring people's body temperature by detecting the intensity of infrared light emitted from the forehead. It converts the measured heat into a temperature reading displayed on the LCD. The infrared forehead thermometer is intended for the intermittent measurement of human body temperature from the skin surface of forehead by people of all ages. When properly used, it will easily assess your temperature in an accurate manner.

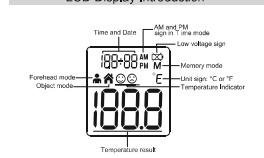
- Please read all instructions carefully and thoroughly before using this product.
- Warning:**
- There is no gender or age limitation for using infrared forehead thermometer.
 - This thermometer is intended for home use only.
 - Use of this forehead thermometer is not intended as a substitute for consultation with your physician.
 - Do not allow children to take their temperatures unsupervised, some parts are small enough to be swallowed.
 - Never immerse this device in water or other liquids not waterproof.
 - Do not modify this equipment without authorization of the manufacturer.
 - Do not expose the thermometer to temperature extremes (below -25°C/33°F or over 55°C/131°F) or excessive humidity (>95%RH).
 - Keep the battery away from children.
 - Remove battery from the device when not in operation for a long time.

Product Description

- Probe
- START Button
- ON Button
- OFF Button
- Battery Cover



LCD Display Introduction



Basic Functions

Real Time Clock
The real time clock will be recorded with the memory function and help you to keep track of measurement time.

Forehead Mode
The thermometer has been designed for forehead use. It is not meant to be used on the body. Please be aware that the measurement result is not accurate if used on the body.

Object Mode
The object mode is used to measure the temperature of the object. It is not meant to be used on the body. Please be aware that the measurement result is not accurate if used on the body.

Memory Mode
The memory mode is used to store the measurement results. It is not meant to be used on the body. Please be aware that the measurement result is not accurate if used on the body.

Temperature Taking Hints

To ensure that the reading always reflects the body temperature accurately, you need to take account of the following factors which may affect an accurate reading.

- 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.
- Users must be made for 30 minutes before taking a measurement. Note: Users and the thermometer should be in the same ambient temperature for at least 10 minutes before taking a reading.
- Users should not drink, eat, or be physically active such as bathing, showering, shampooing and hair drying before while taking the measurement. Remove hat and hair out the way and wait 10 minutes before taking a reading.
- Oil or cosmetics on the forehead may give a lower temperature reading than the actual one. Remove dirt from the forehead before taking a measurement. Wipe the forehead area before taking the measurement.
- Holding a hand on the forehead for any length of time will affect the temperature reading.
- Do not take temperature over scar tissue, open sores or abrasions.
- Do not use the thermometer on a perspiring or sweating forehead, as this may affect the reading.
- Don't take a measurement while or immediately after nursing a baby.
- This thermometer is intended for home.
- Do not take temperatures with this thermometer near places that are very hot, such as fireplaces and stoves.
- The probe window of the thermometer is the most delicate part of the device. Do not touch the probe window. The accuracy of the reading may be affected if the probe window is damaged or dirty.
- If the thermometer is stored in a significantly different environment than testing location, place it in the testing location for approximately 30 minutes prior to use.
- It is not intended for use in the oxygen rich environment and presence of flammable anaesthetic mixture with air, oxygen or nitrous oxide.

Forehead Thermometer Advantages

Infrared Forehead Thermometer measures core body temperature, which is the temperature of a body's vital organs. (See Figure 1) This thermometer is designed to measure the temperature of the skin surface over the temporal artery, a major artery of the head. The temporal artery is connected to the heart via the carotid artery, directly leading from the aorta, the main trunk of the arterial system. It offers constant blood flow. Therefore, body temperature changes are reflected sooner in the forehead than they are in other parts of the body such as on the rectal and underarm.

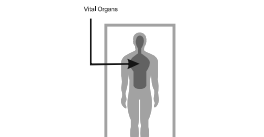


Figure 1

Real Time Clock Setting

When using the thermometer for the first time, please set the parameters of the thermometer. With the thermometer off, press and hold ON BUTTON to enter into setting mode for 3 seconds.

- Set the time format**
The device can display the time in either AM/PM (24-hour) or a 24/00 (24-hour) format. Press and release START BUTTON to select the format. With the preferred time format on the display, press ON BUTTON. The hour figure is flashing automatically.
- Set the Hour**
Press and release the START BUTTON to advance one unit until the correct hour appears. After the hour is set, press ON BUTTON. The minute figure is flashing automatically.

Care And Cleaning

- The probe window must be kept clean, dry, and undamaged at all times to ensure accurate readings. The accuracy of temperature readings can be affected by damage to the probe window, or the presence of dirt, fingerprints, earwax, dust and other soiling compounds on the probe window. Degraded sensors can degrade performance or cause other problems.
- The probe window is the most delicate part of the thermometer. Use a soft cloth slightly moistened with a 75% isopropyl alcohol solution to disinfect probe window and the thermometer. Do not use abrasive cleaners. After cleaning, allow at least 10 minutes drying time before taking temperatures. Note: Do not use any chemical other than isopropyl alcohol to clean the probe window.
- Use a soft, dry cloth to clean the thermometer display and exterior.
- The thermometer is not waterproof. Do not submerge the unit in water when **charging**.
- Store the thermometer in a dry location, free from dust and contamination and away from direct sunlight.
- Strong electromagnetic fields may interfere with the proper operation of the thermometer. The device meets second pre-cautions regarding EMC according to the EMC information as shown in Figure 10.
- Put the thermometer back to the original packaging after using.

Battery Replacement

- Replace battery when "LO" appears in the upper right corner of LCD display. (See Figure 9)
- Slide battery cover down as shown in Figure 9.
- Remove battery and install 2 new AAA alkaline batteries as shown in Figure 10.
- Slide battery cover back on.

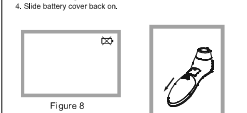


Figure 8



Figure 9



Figure 10

Specifications	
Measuring range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Measuring unit	Forehead (Forehead)
Reference body and	0.1°C (The thermometer converts the normal temperature)
Temperature mode	Forehead (Forehead)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Accuracy	Forehead mode: ±0.1°C (±0.2°F)
Resolution	0.1°C (0.2°F)
Display resolution	0.1°C (0.2°F)
Display mode	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Operating temperature range	Forehead mode: 34.0°C~43.0°C (93.2°F~109.4°F)
Storage and transport temperature range	Forehead mode: 34.0°C~43.0°C