

Operating manual INFRARED FOREHEAD THERMOMETER Model 1765

Please study the entire Operating Manual carefully before you start using the product. Keep the manual in a safe place for future reference. Make sure other people using the product are familiar with these instructions.

INTRODUCTION:

Utilizing infrared technology, this thermometer takes temperatures in seconds by measuring heat generated by measuring heat generated by the ear canal, the surface skin of the forehead or other objects. This product conforms to the provisions of the EC directive MDD(93/42/EEC).

ITS ADVANTAGES INCLUDE:

1. One-second reading
2. Auto power off for power saving
3. Low-battery indicator
4. Warning indications for battery condition and measuring range.
5. Large LCD Display

IMPORTANT INFORMATION BEFORE USE:

When using this product, please be sure to follow all the notes listed below. Any action against these notices may cause injury or affect the accuracy.

- Please keep instruction manual, warranty card, the sales receipt and if possible, the carton with the inner packaging.
- The unit is intended exclusively for private and not for commercial use.
- Do not use the unit outdoors.
- Do not disassemble, repair, or remodel the thermometer.


- Be sure to clean the thermometer lens each time after usage.
- Avoid direct finger contact with the lens.
- It is recommended that user may take 3 temperatures. If they are different, use the highest reading.
- Do not expose the thermometer to extreme temperature, very high humidity, or direct sunlight.
- Avoid extreme shock or dropping the device.
- Before the measurement, patients and thermometer should stay in steady state room condition for at least 30 minutes.
- Avoid measuring temperature in 30 minutes after exercise, bathing, or returning from outdoor.
- To protect the environment, dispose of empty batteries at appropriate collection sites according to national or local regulations.
- Please use the thermometer solely for its intended purpose.
- Allow one minute between successive measurements as slight variations may occur if measurements are taken over a short period of time.
- There are no absolute body temperature standards. Keep reliable records of your personal temperature to serve as a reference for judging a fever.
- Under any circumstances, the temperature taking result is ONLY for reference. Before taking any medical action, please consult your physician.
- If the appliance will be out of use for a longer time, remove the battery.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the

appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

- Use the product only for the intended purpose specified in the Operating Manual.
- Before cleaning, assembly, or disassembly of the cover, switch the unit off and remove the battery!

Failure to follow the manufacturer's instructions may cause refusal of warranty.

PRODUCT DESCRIPTION (fig. 1.):



1. Probe
2. Start button
3.  button
4.  /  button
5. battery cover



DESCRIPTION OF LCD DISPLAY (fig. 2.):

- A. time and date
- B. AM and PM
- C. low voltage sign
- D. memory mode
- E. unit: °C or °F
- F. fever indicator
- G. forehead / object mode
- R. temperature result

SETTING THE TIME:

When the thermometer is used for the first time or after a battery change, the time must first be set.

1. With the thermometer off, press and hold  button for 3 seconds, to enter setting mode. You can choose a 12 or a 24-hour time format. Press START button to select. With the preferred time format, press  button to set, the hour will automatically be flashing on the display. Press START button multiple times until the hour is correct.

2. You can now switch from the hour setting to the minute setting by pressing the  button again. The minute display flashes. Adjust the minute setting in the same way that you adjusted the hour setting. When you have set the time, press the  again as confirmation.
3. Set the year, month and day also with the same method.



OPERATING THERMOMETER:

Bear in mind that the thermometer and the patient needs to be in the room in which the measurement is taken for at least 30 minutes before use.





Users should not drink, eat, or be physically active, bath, shower at least 30 minutes before taking the temperature.

Don't take measurement while or immediately after nursing a baby.


MEASURING BODY TEMPERATURE ON THE FOREHEAD:


1. Please note that the forehead/temples must be free from sweat and cosmetics and that taking medication and skin irritations can distort the result when measuring temperature on the forehead. Wait at least 10 minutes after washing the forehead area.
2. Press the  button for 1 second to switch the thermometer on. Following a successful self test, the device emits one short beeps.
3. Aim the thermometer at the centre of the forehead with a distance of 2-3 cm, then press START button. Do not remove the thermometer before hearing the final beep.
4. Press the  button to turn off the unit, or it will automatically turn off after one minute.

OBJECT TEMPERATURE MEASURING MODE:



1. Press the  /  button to switch to object mode.
2. Press the  button to turn on the thermometer, you can take the object temperature after hearing two beep sounds.
3. Aim the thermometer at the centre of the object with a distance of 1-2 cm, then press START button. Do not remove the thermometer before hearing the final beep.
4. Press the  button to turn off the unit, or it will automatically turn off after one minute.

FEVER INDICATOR:

If body temperature is under 37,8°C (100°F) than the  icon will be displayed.


If body temperature is over 37,8°C (100°F) than the  icon will be displayed.

MEMORY MODE:


1. The memory mode can be accessed either in forehead or object mode. When the thermometer has been turned on or finished testing, press and hold the  button for 3 seconds. The letter M will appear in the right side of the display.
2. The thermometer will automatically memorize the last 10 readings. Each memory also records the measurement time and date. Each time you press the  button, you can switch between readings from 1-10. Number 1 shows the most recent reading, while 10 is the oldest.
3. In memory mode you can also make new reading by pressing the START button.

SELECTING A TEMPERATURE SCALE:

1. Temperature readings are available in the Celsius (°C) or Fahrenheit (°F) scale.

2. With the thermometer off, press and hold the START button for 3 seconds to enter into unit changing mode.
3. Press and release START button to select the unit.
4. When the preferred unit on the display, press  button to exit the unit changing mode.

BATTERY INSTALLATION:

When the batteries get weak, the  symbol appears.

Note:

- When changing the battery, use battery of the same type, make and capacity.
- Do not use rechargeable battery.
- Use battery free from heavy metals.

1. Open the battery case by sliding down the cover.
2. Remove used battery.
3. Replace with two AAA batteries in designated area.
4. Slide the cover back on. Unit is ready for immediate use.

Dispose of used battery in accordance with the applicable legal regulations. Never dispose of battery in the normal household waste.

Batteries are not included in warranty.

STORAGE AND MAINTENANCE:


Clean the probe and tip with an alcohol swab before and after each measurement. Use a soft, dry cloth to clean thermometer body. Never use abrasive cleaning agents, thinners or benzene for cleaning. Do not scratch the surface of the probe lens or the display. Do not expose the thermometer to extreme temperatures, humidity, direct sunlight, or shock. Store at room temperature.

The unit is not waterproof, don't immerse in

water or any liquid.

APPLIED STANDARDS:

This product conforms to the provisions of the EC directive MDD (93/42/EEC). The following standards apply to design and /or manufacture the products:

- IEC 60601-1-2: 2014, EN 60601-1-2: 2015, IEC/EN 60601-1-11:2015 part 12 Electromagnetic compatibility- Requirements and tests.
- EN ISO 13485:2016
- Rohs 2011/65/EU, 2015/863
- Internally powered equipment
- IP22
- Equipment not suitable for use in the presence of a flammable anaesthetic mixture with air or with oxygen or nitrous oxide
- Continuous operation
-  Type BF appliance

TECHNICAL SPECIFICATIONS:

• Range of Measurement:

Forehead mode:

34°C~43°C (93.2°F~109.4°F)

Object mode: 0°C~100°C (32°F~212°F)

Room temperature: 0°C~50°C (32°F~122°F)

• Measuring accuracy:

Forehead:

±0.2°C (0.4°F): 35,5~42°C (95,9~107,6°F) at operating temperature: 15~35°C (59~95°F),
±0.3°C (0.5°F) for other measuring and operating

Object mode: ±4% or ±2°C (4°F)

Room temperature: ±2°C (4°F)

• Measuring time:

1 second

• Operating environment:

10~40°C (50~104°F) with relative humidity up to 85%, atmospheric pressure 800-1060hPa

• Storage/Transportation environment:

-25~+55°C (-13~+131°F) with relative humidity up to 95%, atmospheric pressure 800-1060hPa

• Display resolution:

0.1°C or °F

• Power supply:

2 pcs AAA batteries

• Battery life:

approx. 1 year / 6000 readings

• Weight:

approx. 84 g including battery

• Dimensions:

approx. 153 × 41 × 44 mm


REPAIR AND MAINTENANCE:

Any extensive maintenance or repair that requires access to the inner parts of the product must be performed by an expert service centre.

ENVIRONMENTAL PROTECTION:




- Packaging materials and obsolete appliances should be recycled.
- The transport box may be disposed of as sorted waste.
- Polyethylene bags shall be handed over for recycling.

Appliance recycling at the end of its service life:

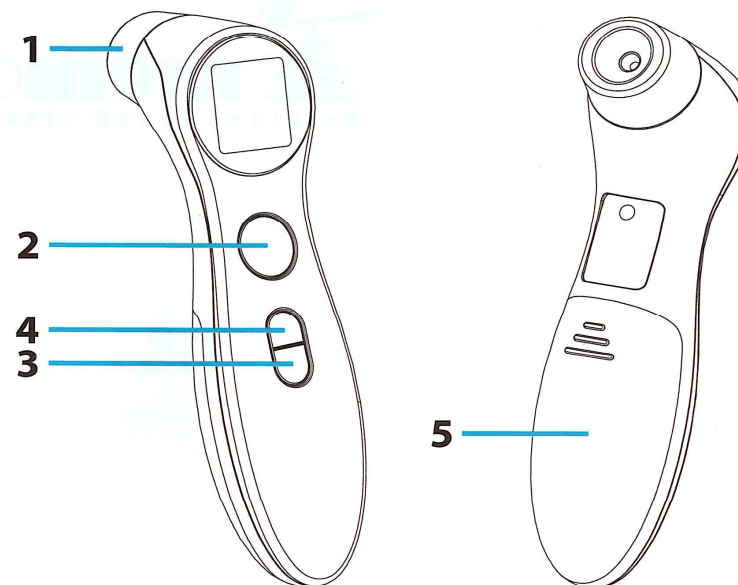
 A symbol on the product or its packaging indicates that this product should not go into household waste. It must be taken to the collection point of an electric and equipment recycling facility. By making sure this product is disposed of properly, you will help prevent the negative effects on the environment and human health that would otherwise result from inappropriate disposal of this product. You can learn more about recycling this product from your local authorities, a household waste disposal service or in the shop where you bought this product.

TROUBLE-SHOOTING:

When a malfunction or incorrect temperature measurement occurs, an error message will appear as described below (comes with backlight and voice pronounces).

Error message	Problem	Solution
Er 1	Measurement before thermometer is ready.	Don't start a measurement until the  or  icon appears on the display.
Er 2	The ambient temperature is not within the range between 10-40°C (50-104 °F).	Place the unit in a room for at least 30 minutes at room temperature between 10°C and 40°C (50°F~104°F).
Er 3	The thermometer is placed incorrectly or unstable.	Read manual thoroughly and take a new temperature measurement.
Er 4	The thermometer is showing a rapid ambient temperature change.	Place the unit in a room for at least 30 minutes at room temperature between 10°C and 40°C (50°F~104°F).
Er 5	The thermometer is not functioning correctly.	Unload the battery, wait for 1 minute and repower it. If the message reappears, contact the retailer for service.
H _i	In Forehead mode: Temperature taken is higher than 43.0°C (109.4°F). In Object mode: Temperature taken is higher than 100°C (212°F).	Read manual thoroughly and take a new temperature measurement.
L _o	In Forehead mode: Temperature taken is lower than 34.0°C (93.2°F). In Object mode: Temperature taken is lower than 0°C (32°F).	Read manual thoroughly and take a new temperature measurement.
	The thermometer could not work due to low battery.	Replace old batteries with two new AAA batteries.

1.



2.

