Oricom®

FS300

Non-Contact Infrared Thermometer

FS300 is included as a medical device on the Australian
Register of Therapeutic Goods (ARTG No. 198437).
FS300 is intended for use as a measuring device for determining the patient's body temperature.
ALWAYS READ THE LABEL AND USER GUIDE, USE ONLY AS DIRECTED.
Keep this user guide for future reference. Always retain your proof of purchase in case of warranty
service and register your product on line at AUSTRALIA: www.oricom.com.au
Please visit www.oricom.com.au for the latest copy of this user manual.
Oricom Customer Support: 1300 889 785 or (02) 4574 8888

Need Help?

If you need assistance setting up or using your Oricom product now or in the future, call Oricom Support.

Australia	1300 889 785 or (02) 4574 8888
	www.oricom.com.au
	Mon-Fri 8am – 6pm AEST
New Zealand	0800 67 42 66
	www.oricom.co.nz
	Mon-Fri 10am – 8pm NZST

Contents

Thank you for purchasing the Oricom FS300 Non-contact Infrared Thermometer.

The FS300 Non-contact Thermometer has been developed using the latest in infrared technology. This technology allows the user to measure the temperature without physical contact. To use this device correctly please follow the directions in this user guide. The instructions provide important details on how to achieve accurate measurements.

Warning

⚠ Please read this user guide carefully before initial use.

- Use this product only for its intended purpose as described in this manual and follow all instructions.
- The measurement of temperature using this product does not represent a Doctors medical examination.
- Consult with your medical professional if any abnormality is found.
- Do not take a temperature measurement over a scar or open tissue.
- Do not expose the product to temperatures below 20ºC (68ºF) or above 50ºC (122ºF) or above humidity of 95% (≥95%RH)
- Do not drop the thermometer as it may cause damage
- Do not take the temperature with this product near heat sources such as in direct sunlight, near a fireplace or stove.
- Do not use this product if it is not working properly, contact Oricom support.
- There are no user serviceable parts the only service required is battery replacement and general cleaning please follow instructions in this user guide.
- If the product is not going to be used for an extended period of time please remove the batteries and store the thermometer in a cool dry place.
- This product is NOT waterproof. Direct contact with water or other liquids should be avoided.
- Do not leave the thermometer with infants or children at any time.
- The protective glass over the lens is fragile, handle with care. Do not touch the glass of the infrared lens with bare fingers.
- Do not modify or repair the thermometer.

Many people may not have an elevated temperature even if they are ill. In the following cases please consult your medical professional before using this product.

- Under 90-day-old infants
- People on steroids, antibiotics or antipyretics.
- People with compromised immune systems.

Cautions

- The reliability of the measurement cannot be guaranteed if the temperature is measured from parts of body that are not recommended (anywhere other than the forehead or behind the earlobe).
- Similar to other thermometers, measurement error may occur within a range of ± 0.2ºC (± 0.4ºF)
- Measurement should not be taken until completely relaxed at normal room temperature.
- Please note that measurement may be incorrect after exercising, bathing or getting wet in the rain.
- Temperature between right and left forehead could be different.
- Measurement may be incorrect when low battery (🔋) signal is indicated. Replace the battery and re-measure.
- When measuring the temperature of a liquid (milk, water) place the probe as close as possible to the liquid but ensure that it is not immersed into the liquid as this may damage your thermometer.
- Check your product regularly for damage and exhausted batteries.

> **NOTE:**
> ASTM laboratory accuracy requirements in the display range of 22 to 40°C(71.6°F to 104.0°F) for IR thermometers is ±0.3°C(±0.5°F), whereas for mercuryin-glass and electronic thermometers, the requirement per ASTM Standards E 667-86 and E 1112-86 is ±0.1°C(±0.2°F)

Simple Operation Principle

The body temperature is reflected on the temporal artery.

- Temporal artery is the artery located closest to the skin and is spread on the forehead. If the blood with body temperature reflection passes the temporal artery on forehead, corresponding amount of infrared rays will be generated. From the infrared rays, the body temperature can be measured.

- This product is a contactless type thermometer and does not make direct contact with forehead.

  The temperature measurement can be taken 2 to 3cm away from the body or object.

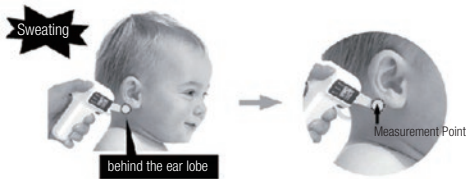- This will decrease discomfort or possible infections caused by touch.

How to Take a Temperature

NOTE:

Temperature readings may vary according to the location of measurement from forehead to temple. Therefore we recommend to measure the temperature at more than 2 points on the forehead.

Use the highest temperature rating as the most accurate reading.

NOTE:

If sweating on the forehead is present we recommend changing the measurement point to behind the earlobe.

Temperature Ranges

Body temperature means internal temperature of body. Normal temperature even in a healthy person can vary within a small range. The temperature of a person measured in the evening is normally 0.5ºC higher than early morning and is also affected by the environment, time and activity. Refer to the table below to find out the normal body temperature ranges.

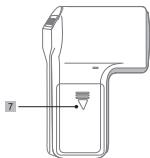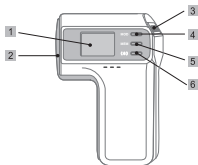| Normal temperature range at various parts of body	
Armpit	34.7 ~ 37.3ºC (94.5 ~ 99.1ºF)
Mouth	35.5 ~ 37.5ºC (95.9 ~ 99.5ºF)
Rectum	36.6 ~ 38.0ºC (97.9 ~ 100.4ºF)
Ear	35.8 ~ 38.0ºC (96.4 ~ 100.4ºF)
Normal temperature range by age	
0 ~ 2age	36.4 ~ 38.0ºC (94.5 ~ 100.4ºF)
3 ~ 10age	36.1 ~ 37.8ºC (97.0 ~ 100.0ºF)
11 ~ 65age	35.9 ~ 37.6ºC (96.6 ~ 99.7ºF)
Above 65age	35.8 ~ 37.5ºC (96.4 ~ 99.5ºF)

- Normal body temperature can vary between individuals it is recommended that you record your body temperature when you are healthy as a reference point.

- **Using your thermometer**

  - Measuring Body Temperature

    Switch to body temperature measuring mode, and check the body temperature on the temple area at a distance of 2 to 3cm.

  - Measuring Bathing Water Temperature

    Switch to daily wide temperature measuring mode, and check the water temperature by aiming the thermometer at a distance of 2 to 3cm from the water. Be careful not to get water on the Thermometer.

  - Measuring the Nursing Bottle

    Switch to daily wide temperature measuring mode, and check the temperature by aiming the thermometer at a distance of 2 to 3cm from the babies bottle.

1. Product description

1 LCD display   4 MODE button   7 Battery cover
2 Probe   5 MEM button
3 Start button   6 Sound boutton

Buttons	Functions
START	Switching the device on. Starting temperature measurement.
MOD	Setting the measurement method.
MEM	Displaying stored measurements (max 32).
((●))	Setting the acoustic signal (On/Off).
MOD + **MEM**	Setting the measurement units (°C/°F).

Display	Meaning
D))	In body temperature mode.
C	In object temperature mode.
⌐8	Memory mode.
▭	Batteries require replacement.
°C°F	Unit of temperature (°C/°F).

2. Before first use

- Before first use, insert the batteries supplied (2 x AAA Alkaline Batteries).

3. Switching on and setting the thermometer

- Press the Start button **START** briefly.
  - > The device switches on. After two seconds, the display shows that the device is ready for use.
  - > The device always starts in body temperature mode.

3-1. Setting the measurement unit

- Press the Mode button **MOD** and MEM button **MEM** simultaneously for at least 3 to 4 seconds.
  - > The device switches to the other measurement unit.
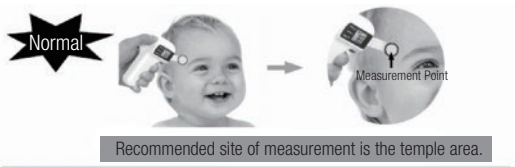 - > Possible measurement units : Celsius °C and Fahrenheit °F

3-2. Setting the measurement sound

- Press the Sound button **((●))** briefly.
  - > Each time the button is pressed, the sound switches on or off.
  - > If the display shows On after pressing the button, the device emits sound.
  - > If the display shows OFF after pressing the button, the device will not emit sound.
  - > This setting is not stored. The next time the device is switched on, the sound is reset to. On

4. Measuring body temperature

- Press the Start button **START** briefly.
  - > The device switches on. After two seconds, the display shows that the device is ready for use.
  - > The device always starts in body temperature mode.

- Hold the thermometer 2 to 3cm from the measuring point.
  - > The ideal measuring point is the temple area.
- Press the Start button **START** briefly.
  - > Keep the distance until you hear the measurement completion beep.
  - > If the thermometer is in silent mode, keep the distance for approximately 2 seconds.

Normal

Measurement Point

Recommended site of measurement is the temple area.

Sweating

Measurement Point

behind the ear lobe

NOTE:
We recommend you change the measurement point to behind the earlobe when sweat is present.

- Temperature readings may vary according to location.Therefore we recommend to measure the temperature at more than 2 points on the forehead.
- Then please recognize the highest temperature as the right temperature.
- Check the temperature on the LCD screen. This will be automatically stored.
- Read the temperature on the display.
  - > The measurement is automatically stored. 36.8

5. Displaying stored measurements

- Press the Start button **START** briefly.

  > The device switches on. After two seconds, the display shows that the device is ready for use.

- The device automatically stores the last 32 measurements.

- Press the MEM button **MEM** briefly. `r  1` ➔ `36.8`

  > The most recent measurement is displayed.

- Each additional press of the MEM button **MEM** calls up the next most recent measurement. The number on the display indicates how many measurements ago this reading was taken.

  > The thermometer then changes to body temperature mode after 30 seconds.

- The device only stores measurements when in body temperature mode.

6. Measuring object temperature

- Press the Start button **START** briefly.

  > The device switches on. After two seconds, the display shows that the device is ready for use.

  > The device always starts in body temperature mode. `))`

- Press the Mode button **MOD** briefly.

  > The device switches to the object temperature measuring mode. `C`

- Check the measurement ready status on LCD. `- - -`

- Hold the thermometer 2 to 3cm from the desired measuring point.

  Press the Start button **START** briefly.

  > Keep the distance until you hear the measurement completion beep.

  > If the thermometer is in silent mode, keep the distance for approximately 2 seconds.

- Read the temperature from the display.

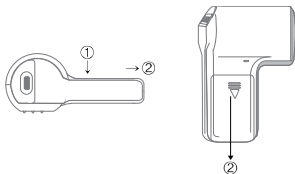 > Measurements in object temperature mode are not stored.

- Subject surface temperature and inner temperature can be different.

7. Battery Replacement

- The device requires two AAA Alkaline batteries.

  > Open the battery compartment.

  > For this purpose, slide down the battery compartment lid on the back.

- Take the used batteries out of the battery compartment.

- Insert new batteries.

  > Observe the correct polarity.

- Close battery compartment.

  > Used batteries should not be disposed of in normal household waste.

  > Dispose of batteries in accordance to local recycle regulations.

Cautions

If you do find the batteries have leaked fluid please do not touch the batteries or fluid.

Dispose of the batteries properly do not wrap in metal or aluminium foil, wrap in newspaper and dispose of carefully. Batteries may explode if burnt or exposed to excessive heat.

8. Error messages

Display	Error description	Trouble-shooting
Err	The device temperature is outside the operating temperature range.	Operating temperature approx. 15°C to 40°C (59°F to 104°F)
°C Hi	The temperature of the measuring point is above the measurement range.	Measurement range for body temperature 34°C to 42.5°C (93°F to 108.5°F)
°C Lo	The temperature of the measuring point is below the measurement range.	Measurement range for object temperature : 15°C to 60°C (59°F to 140°F)
▯	The batteries are weak.	Change batteries.
18888	Display appears briefly after changing the batteries.	

NOTE:
If the room temperature is between 15°C to 20°C(59°F to 68°F), the forehead temperature can become lower due to the room temperature.

9. Cleaning and Storage

- The sensor is a very sensitive part and easily damaged. For accurate measurement please keep the sensor clean.
- To clean the sensor please keep it facing down and carefully clean with an alcohol moistened cotton bud, allow to dry for at least one hour before using.
- To clean the outside use a cloth moistened with alcohol or water.
- Do not use excessive force on the sensor.
- Do not immerse the product in water or any other liquid.
- Keep the product away from direct sunlight, dust and any other type of contaminating substance.
- Keep the product at normal room temperature. The operating ambient temperature range for this thermometer is 10ºC (50ºF) to 40ºC (104ºF)
- Please place the product in normal room temperature for 30 minutes prior to use if it has been stored outside normal room temperature.

10. **Product Specifications**

FS300

Item	Details of description
Measurement method	Infrared(IR) measurement, Non-Contact measurement
Basic functions	Switches for Multi-measurements (Body and Object temperatures) Switches for Celsius/Fahrenheit, Memory function, Sound controls(On,Off)
Ambient conditions	15°C to 40°C(59°F to 104°F), Humidity : below 90% Atmospheric Pressure(hPa) 700~1060
Transport and Storage condition	-20°C to 50°C(-4°F to 122°F), Humidity : below 95%RH Atmospheric Pressure(hPa) 700~1060
Measuring distance	2 to 3cm from the measuring point (temple area)
Measuring range	Body temperature : 34°C to 42.5°C (93.2°F to 108.5°F) Accuracy : ±0.2°C (36°C to 39°C) Other Accuracy : ±0.3°C Object temperature: 15°C to 60°C (59°F to 140°F) Accuracy : ±2°C
Measuring time	Less than 2seconds, Continuous measurement
Resolution	0.1°C
Mode selection	Body temperature, Object temperature
Memory function (for body temperature only)	Automatic memory function Confirm the result by using memory button Can store up to 32 results space (1 to 32)
Sound	Button sound, Measuring sound, Result sound, The sound can be turned on and off by using Sound button
Screen type	Liquid crystal display(mono LCD)

Display	Body temperature mode, Object temperature mode, Memory location, Low Battery, °C/°F degree, Hi / Lo signs for the temperature outside the measurable ranges
Button	Start, Sound, Mode, Memory
Backlight	Turned on for 3 seconds after measurement The backlight turned off automatically
Power-saving	Turned off automatically after one minute
Components	FS300 Manual, Battery(AAA type) 2ea
Power	Alkaline (AAA 1.5V Battery 2 EA)
Measurable numbers	More than 5,000 times
Size	62.4(W) x 41.8(D) x 103.1(H) mm
Weight	120g (without batteries)

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N13134 Z765

Type BF Applied Parts

This product is manufactured in Korea under strict quality supervision by:

HuBDIC CO., Ltd, B-301, TaeKwang Industrial Building, 191-1, Anyang 7-dong Manan-gu, Anyang-si Gyeonggi-do Korea.

IMPORTED & DISTRIBUTED IN AUSTRALIA by the sponsor:- Oricom International Pty Ltd, Unit 1, 4 Sovereign Place, South Windsor 2756 AUSTRALIA

Customer Support

If you have any problems setting up or using this product you will find useful tips and information in this user guide as well as "Frequently Asked Questions" on our website www.oricom.com.au.

If you have further questions about using the product after reviewing the resources above or would like to purchase replacement parts or accessories please call our Customer Support Team. Our dedicated local support team are more likely to be able to help you than the retailer where you made your purchase.

Important

Please retain your purchase receipt and attach to the back page of this user guide as you will need to produce this if warranty service is required. Take a few moments to register your product online: www.oricom.com.au

Express Warranty (Australia)

This Express Warranty is provided by Oricom International Pty Ltd ABN 46 086 116 369, Unit 1, 4 Sovereign Place, South Windsor NSW 2756, herein after referred to as "Oricom".

Oricom products come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Oricom warrants that the product is free from defects in materials or workmanship during the Express Warranty Period.

This Express Warranty does not extend to any product from which the serial number has been removed or was purchased outside of Australia.

Nothing in this Express Warranty excludes, restricts or modifies any condition, warranty, guarantee, implied term, right or remedy pursuant to the Australian Consumer Law and which may not be so excluded, restricted or modified. For such conditions, terms, guarantees and warranties that cannot be excluded, restricted or modified, Oricom limits the remedies available to extent permitted in the relevant legislation.

The Express Warranty Period will be 1 year from the date of purchase of the product evidenced by your dated sales receipt.

You are required to provide proof of purchase as a condition of receiving Express Warranty services.

You are entitled to a replacement product or repair of the product at our discretion according to the terms and conditions of this document if your product is found to be faulty within the Express Warranty Period. This Express Warranty extends to the original purchaser only and is not transferable.

Products distributed by Oricom are manufactured using new materials or new and used materials equivalent to new in performance and reliability. Spare parts may be new or equivalent to new. Spare parts are warranted to be free from defects in material or workmanship for thirty (30) days or for the remainder of the Express Warranty Period of the Oricom branded product in which they are installed, whichever is longer. During the Express Warranty Period, Oricom will where possible repair and if not replace the faulty product or part thereof. All component parts removed under this Express Warranty become the property of Oricom. In the unlikely event that your Oricom product has a recurring failure, Oricom may always, subject to the Competition and Consumer Act 2010, at its discretion, elect to provide you with a replacement product of its choosing that is at least equivalent to your product in performance.

No change to the conditions of this Express Warranty is valid unless it is made in writing and signed by an authorised representative of Oricom.

Oricom will not be liable under this Express Warranty, and to the extent permitted by law will not be liable for any defect, loss, damage or injury arising out of or in connection with a:

1. failure by you to adhere to the warnings and follow the instructions set out in this user guide for the proper installation and use of the product;

2. wilful misconduct or deliberate misuse by you of the product;

3. any external cause beyond our control, including but not limited to power failure, lightning or over voltage; or

4. modification to the product or services carried out on the product by anyone other than Oricom or Oricom's authorised service provider.

How to make a claim under your Express Warranty in Australia

Oricom has a simple warranty process for you to follow:

- Please call or email our Customer Support Team, 1300889 785 or support@ oricom.com.au.

- A Customer Support Team member will verify after troubleshooting with you if your product qualifies under warranty. If so, they will give you a Product Return Authorisation number.

- We will then email or fax a Return Authorisation form and a Repair Notice (if necessary), together with instructions on how to return the goods for warranty service.

Please note that if a Customer Support Team member advises that your product does not qualify for return, this warranty does not apply to your product. Products that are authorised to be returned to Oricom in Australia must include all of the following:

- A completed Return Authorisation form

- A copy of your Proof of Purchase (please keep your original copy)

- The faulty product, including all accessories.

Send the approved returns to:

Oricom International Pty Ltd

Locked Bag 658

South Windsor NSW 2756 Australia

Please note that this Express Warranty excludes expenses incurred by you in returning any faulty product to us. You must arrange and pay any expenses incurred (including postage, delivery, freight, transportation or insurance of the product) to return the faulty product to us, however, we will arrange delivery of the repaired or replaced faulty product to you.

Important Information

Repair Notice

Please be aware that the repair of your goods may result in the loss of any user-generated data (such as stored telephone numbers, text messages and contact information). Please ensure that you have made a copy of any data saved on your goods before sending for repair. Please also be aware that goods presented for repair may be replaced by refurbished goods or parts of the same type rather than being repaired.

Contact details for Oricom support and warranty claims in Australia

Oricom International Pty Ltd

Locked Bag 658

South Windsor, NSW 2756

Australia

Email: support@oricom.com.au

Phone: 1300 889 785 or (02) 4574 8888

(Monday to Friday 8am to 6pm AEST)

Web: www.oricom.com.au

Fax: (02) 4574 8898

Contact details for Oricom support and warranty claims in New Zealand

Email: support@oricom.co.nz

Phone: 0800 674 266

(Monday to Friday 10am to 8pm NZST)

Web: www.oricom.co.nz

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