

**scala**  
**Infrared-  
Forehead-Thermometer**  
**SC 8360 /**  
**SC 8360 NFC**



**CE** 0197

**GB** Instruction manual

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## **SAFETY INSTRUCTIONS**

### Warnings

1. Read the entire instruction manual before trying to operate the device.
2. The device is delivered non-sterile; please clean the device before measuring.
3. Stop using the device if malfunctions appear or if it operates abnormally.
4. Children should not use the device without the supervision of an adult. Keep out of reach of unsupervised children.
5. Do not use the device when flammable materials are around.
6. Do not place the device on scarred tissue, open wounds or abrasions.
7. Some medications may cause a rise in skin temperature which can consequently lead to incorrect measurements.
8. Taking a measurement after skin has been exposed to an extreme condition such as direct exposure to sunlight, fireplace/heater or air conditioner flow, may lead to incorrect readings.
9. If the device has been kept or stored in extreme temperatures, wait at least one hour for the device to return to room temperature before measuring.
10. Do not touch the probe when the device is measuring.
11. The device is not water resistance, please keep dry.
12. Do not drop the thermometer or expose it to heavy shock.
13. Do not bite or swallow the probe and the battery cover.
14. Do not let thermometer come into contact with any thinner or chemical solvents.
15. Components may be harmful if swallowed. Contact a physician immediately should this occur.
16. Do not use if the display malfunctions or it operates irregularly.

17. Do not put this unit in dishwasher.

18. If the thermometer has been stored at below-freezing temperatures, allow the thermometer to warm naturally to room temperature before using.

19. Performance of the thermometer may be degraded if: Operated or stored outside stated temperature and humidity ranges or if the patient's temperature is below the ambient (room) temperature.

20. Only use the thermometer indoors and do not use it near mobile phones or microwave ovens. In the case of thermometer whose maximum power exceeds 2 W, the minimum distance from thermometer should be 3,3 meters.

21. The reading is for reference, if feel sick or uncomfortable, please contact the physician.

### Cautions

1. Do not scrape or scratch the probe as it will hamper the effectiveness of the device.
2. Do not dismantle the device except when replacing the batteries.
3. Wait at least thirty minutes after exercising, bathing or eating before taking a measurement.
4. If the subject's body temperature is lower than the room temperature, a false reading may occur.
5. To ensure the best performance of the device, please follow the **Product Specification** "Storage condition" regarding temperature and humidity ranges for storing the device.
6. Dispose of the device and battery according to your local regulatory or environmental protection agency.
7. The device is not intended for use in the emergency medical services environment.
8. For maximal performance of the device, we recommend a regular checkup and device calibration every two years.

### DEVICE DESCRIPTION AND INTENDED USE

The thermometer is an electronic device intended to measure the human body temperature using the forehead as measurement site. It is designed to absorb the infrared from human body to detect your temperature. It can be used with adult or pediatric patients and it can be used in household.

### ABOUT BODY TEMPERATURE

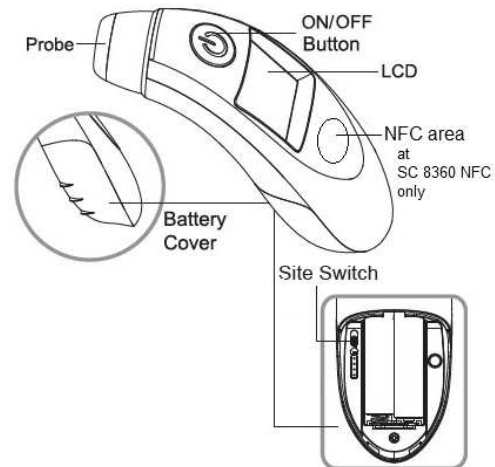
A person's normal body temperature can range from 35,5°C to 37,8°C throughout the day. We recommend taking your temperature at different times during the day when you are NOT sick. This will give you a preliminary reference to know what your normal temperature is and how it fluctuated during a normal day. Then, when you feel sick or discomfort, knowing this will provide an index for a reliable diagnosis of a fever.

### CONTRAINDICATIONS

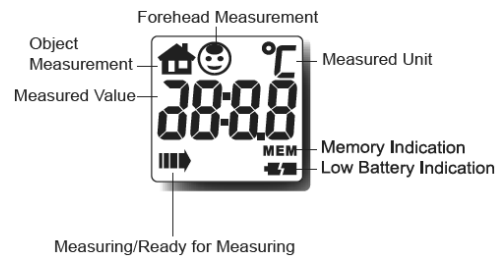
The thermometer is contraindicated:

1. Place the probe in scarred tissue or tissue compromised by skin disorders.
2. Patients in trauma or treat with certain drug therapies.
3. Place the thermometer Probe on skin exposed to direct sunlight, fireplace heat, cold compress therapies, air conditioner flow, etc.

### DEVICE OVERVIEW

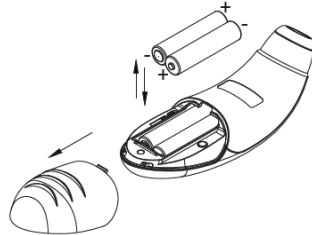


### DISPLAY OVERVIEW



**QUICK START**

1. Install battery into the device. Make sure the polarity (+ and -) of the battery matches as shown in the battery compartment



2. Press and release the ON/OFF button, you will hear a short beep. The device will be ready for measuring.



3. Aim Probe to the measuring site within measuring distance.



4. Press the ON/OFF Button then read the temperature on the LC Display.




**EXPLANATION OF SYMBOLS**

	ON/OFF Button
	Forehead measurement
	Object measurement
	Measuring site is forehead
	Flash: measuring Solid: ready for measuring
	Low battery indication
<b>MEM</b>	Memory indication

	conform with EC directive 93/42/EEC and subsequent changes.
	Please read thoroughly before using.
	Keep dry
	Warning and Caution
<b>IP 20</b>	2: Protected against solid foreign objects > 12,5 mm diameter 0: Non-protected Enclosures classified according to degree of protection against ingress of water and particulate matter (IPN1N2) as detail in IEC 60529. ME equipment or its parts marked with IP environment code per IEC 60529 according to classification in 6.3 (Table D.3, code2).
<b>OFF</b>	The device is off
	Disposal notes
<b>RoHS</b> conform 2011/65/EU	This is denotes the compliance of Restriction of Hazardous Substances Directive.
	REACH symbol Registration, Evaluation, Authorization and Restriction of Chemicals is a European Union regulation.

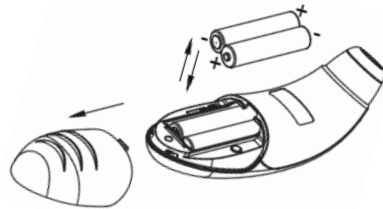
	Type BF Applied Part
	Manufacturer
<b>LOT</b> MMY	Production period (month / year)
EC REP	Authorized Representative in the EU
<del>PHT</del> <del>DEHP</del> <del>BBP</del> <del>DBP</del>	No PHT

### BATTERY INSTALLATION

1. Replace with a new R03/LR03 batteries when the low battery indication  shows.
2. Use only same type batteries to avoid incompatibility.
  - Replace with 2 new R03/LR03 batteries simultaneously.
  - The memories might be erased after replacing the batteries.
  - Remove battery if the device is not likely to be used for a long period of time.
  - Do not dispose the battery in a fire, the battery will explode.

#### Replacing / Installing Battery

1. Remove the battery cover to insert a battery.



2. Confirm the polarity (+ and -) of a battery is correct as indicated inside the compartment and insert a battery accordingly.
3. Replace the battery cover.

### CHANGE MODE

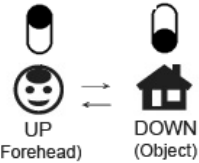
The device has two mode of measuring site:

1. Forehead mode, 2. Object mode.

**The default is Forehead mode and can be switched to object mode.**

1. Remove the battery cover.



2. Slide the site switch **UP** is forehead measurement.

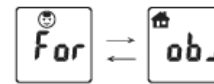


3. Slide the site switch **DOWN** is object measurement.

4. During operation of the switching, the forehead

 or object  icon

4. During operation of the switching, the forehead  or object  icon will flash for twice. After that, icon won't flash, this operation is successful.



5. Per above, it can do measurements accordingly.

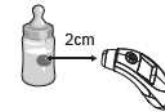
**NOTE:** During measurement and beeping, switch the measuring site is not allowed.

### MEMORY FUNCTIONS

#### Recall memories

1. When the unit is off, press and hold the ON/OFF button about 3 seconds until the last memory shows.

2. You may continue to press and release the ON/OFF button to recall up to 9 previous records.



3. Discontinue pressing the ON/OFF button to stop recalling memories.
4. The device is ready to do a new measurement.

#### Delete all memories

When the device is in memory mode, press and hold ON/OFF button until LCD shows dEL,



press and release the ON/OFF button to delete all memories, then the device will be off Automatically.

## USE



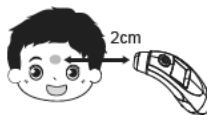
### CAUTION

Make sure the measuring site is dry, clean prior to measurement taking.

### FOREHEAD MEASUREMENT

**NOTE:** The switch is at **UP** position.

1. Press and release the ON/OFF button to turn on the device.
2. Aim at the forehead within measuring distance 2 cm and the device should be kept as still as possible during use.
3. Press and release the ON/OFF button to do a measurement.
4. Read the temperature on the LCD.



### OBJECT MEASUREMENT

**NOTE:** The switch is at **DOWN** position.

1. Switch to object measuring mode (see page 10).
2. Aim the object surface within 2 cm.
3. Press and release ON/OFF button to do a measurement.
4. Read the temperature on the LCD.

### DOING A MEASUREMENT

1. Press and release the ON/OFF button to turn on the device.
2. After completing self-diagnosis, the device will be ready for measurement.
3. Press and release the ON/OFF button. After two beeps it is ready. Read the temperature.
4. When the reading is higher than 37,5°C, the device will have fever alarm.

The backlight will light up in accordance with the temperature, shown as below:

Reading temperature	Backlight
$T \leq 37,1^{\circ}\text{C}$	green
$37,2^{\circ}\text{C} \leq T \leq 37,4^{\circ}\text{C}$	yellow
$T \geq 37,5^{\circ}\text{C}$	red

### FOR SC 8360 NFC ONLY


#### Read-back last memory by NFC:


Install OUCare APP from Google play or App store successful. OUCare not only collect temperatures but also can do graph for checking temperature's trend easily.

For Android mobile device: When the device is off, put mobile device on the NFC area, the last temperature will be read-back and show on mobile device.

For iPhone 7 or above: The iOS should be 11.0 or above. When the device is off, press the NFC icon of APP then close to the NFC area, the last temperature will be read-back and show on mobile device. Refer to the figure of NFC area of iPhone7 in the right.

### CLEANING AND DISINFECTION

 Do not submerge or expose the device to water. **The unit is not water proof.**

 Do not use corrosive detergent to clean the device. Clean and disinfect the thermometer before and after use.

#### Cleaning process

- Use a cloth moistened with water or neutral detergent to clean the device, with solution of 5-10% mild detergent about 10 - 15 minutes.
- The continuously cleaning operation with cold water to avoid the chemical residues remaining on the device.

- If necessary, repeat step 1 to step 2 in order to make sure the device was clean.
- A final wipe down by a clean wiper is necessary to avoid water stains.

#### Disinfection process

- To disinfect the device when completed the cleaning process
- Use a cotton swab or pad moistened with 70-75% isopropyl (rubbing) alcohol to wipe them with care, contact time  $\geq 10$  min for disinfection.
- The disinfectant free rinse without residues

#### Drying process

After cleaning and disinfection process:

- Put the device to air-dry in the room temperature (20-30°C), exposure time around 3~4 hours.
- And store the device in a dry, clean, and dust-free environment at moderate temperatures of 5°C - 40°C.

#### **CARE AND STORAGE**

1. Do not drop or crush the device. It is not shock proof.
2. Do not dismantle or modify the device other than changing the batteries.
3. Do not store the device in an extreme environment with direct sunlight, high/low temperatures or in a location with high humidity or severe dust.


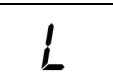
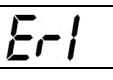
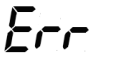
Please contact your local agents or distributors if the device does not function properly as specified under **PRODUCT SPECIFICATION**

#### **PRODUCT SPECIFICATION**

Measuring site	Forehead
Measuring distance	2 cm
Measuring time	1 second
Measuring range	Forehead: 32,0°C - 43,3°C Object: 0 – 100°C
Accuracy	Forehead: 35,5°C - 42,0°C: +/-0,2°C other range +/-0,3°C Object: +/- 1,0°C
Measuring unit	°C
Resolution	0,1°C
Memory	9 sets
Fever alarm	$\geq 37,5^\circ\text{C}$
Operation condition	+16°C - +35°C, R.H. of 15% to 90% non-condensing,
Storage condition	-20°C to +50°C, R.H. of 15% to 90% non-condensing,
Clinical repeatability:	<+/- 0,3°C
Battery	2 x R03, LR03
Battery life	More than 3.000 measurements
NFC	
(at SC 8360 NFC only)	Last memory read-back
Dimension	124 x 41,4 x 44 mm
Weight	88 g including battery
Certification	ISO 13485 and compliance with ISO 80601-2-56

Specifications may change as technical improvements take place


### TROUBLESHOOTING

	The reading is higher than measuring range. Please wait a few minutes and measure again.
	The reading is lower than measuring range. Please wait a few minutes and measure again.
	The ambient temperature is out of the operating condition.
	The device self-diagnostic is failed. Please contact the distributor.

### WARRANTY

We grant a warranty of two years for the forehead thermometer. The cash voucher is your warranty certificate. The product will be repaired free during the warranty period. The warranty does not cover damage due to improper handling, accident, non-compliance with the instructions for use or unauthorized modifications of the product.

### DISPOSAL NOTES

 Defective forehead thermometers at the end of their life may contain material that might be a hazard to the environment. Dispose of the device as prescribed, i.e., at a collection point for electrical scrap. The disposal of batteries is regulated. Spent batteries are collected at collection points provided by battery dealers and the communities.



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