FR800 User Manual

1. <u>Description of Product</u>
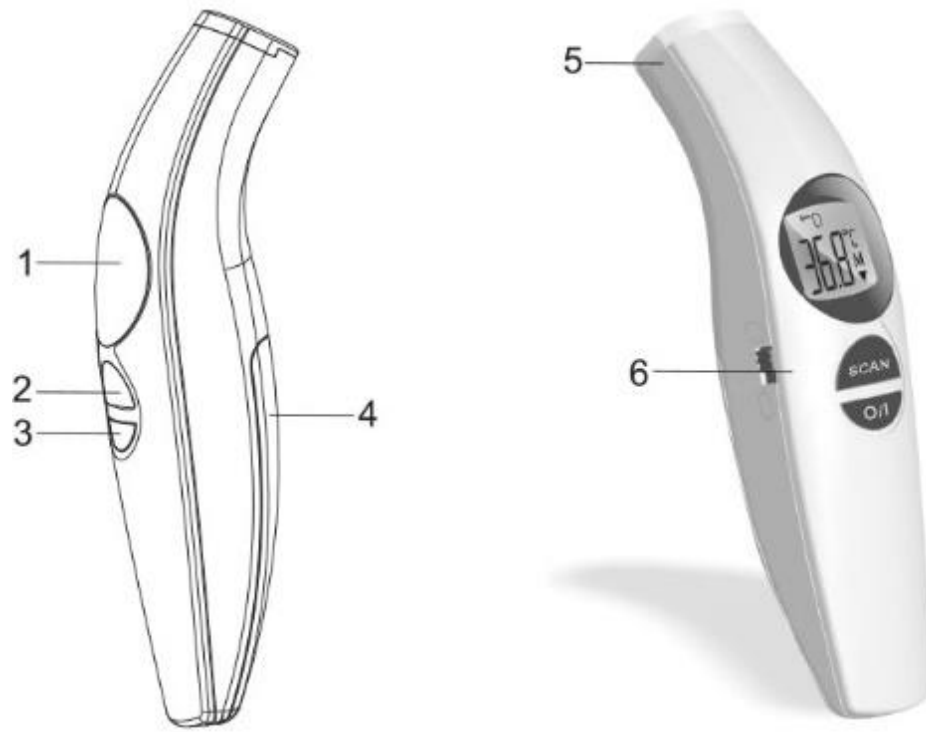
No	Item	Status of Mode	Description
1	Display Screen		To display measurement readings And other corresponding symbols
2	Scan Button	Off	Press once to enter memory mode
		On	Press to take measurement
3	On/Off Button		Press to tum on/off thermometer
4	Battery Cover		To protect the battery
5	Sensing Head		To provide Infrared sensing for measurement
6	Slide Switch	Switch Measuring Mode	Selected body temperature Measurement mode by sliding the switch upwards.
			Selected object temperature measurement mode by sliding the switch downwards.

2. <u>Display Screen and Icon Description</u>

Icons:

Displayed Image	Setting	Description
	Human Body mode	Can perform measurement of body temperature
	Object mode	Can perform measurement of object temperature
°C	Celsius degree	Measuring unit
°F	Fahrenheit degree	
M	Memory mode	Display measurement value from memory

Operation Status:

| Displayed Information	Status	Description
888.8°F	Starting Up	Turn on this device by Pressing 0/1 button. All Information will be shown for two seconds.
36.8°C M 58.8°C M	Displayed Last Memory	The last reading will automatically be displayed on the screen for two seconds. The M icon indicates the display is loaded from Memory. The Human Body mode or the Object mode icon is displayed based on the Slide Switch position.
— — — °C — — — °C — — — °F — — — °F	Preparing to Measure	The device is preparing itself to take measurement. The °F (°C) icon will keep twinkling in this mode.
36.9°C 59.8°C 98.4°F 139.6°F	Measurement Completed	The result will be displayed on the LCD screen. Red background indicates the measurement value > set fever alarm level (99.5°F). Green background indicates it < alarm level.
36.9°C 59.8°C 98.4°F 139.6°F	Ready to take the next Measurement	2 seconds after the previous completion, the °F (°C) icon will start twinkling again – indicating the device is ready to take the next measurement.

3. Using the Thermometer

How do I Switch from °F to °C?

Press the SCAN button for about 8 seconds when the machine is In Off status, and it will display °C or °F as the measurement unit. If this is not your preferred unit, please press the SCAN button again.

Measurement of the Human Body Temperature

- Move the Slide Switch upward to enter the Human Body Temperature measuring mode.
- Make sure the device is in on status. If not, press the On/Off button.
- The last reading from the Memory and the M icon will be displayed for two seconds.
- After a short beep and the °F (°C) icon getting into twinkling mode, the device is ready to take measurement.
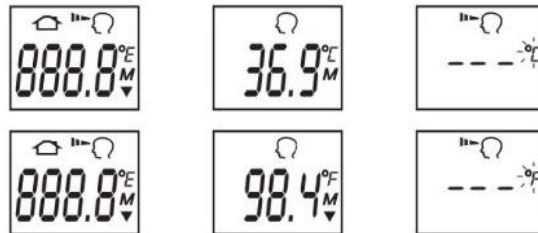
- To start the measurement, aim the thermometer at the center of the Forehead no more than 2" away. If there is hair, sweat or dust on the forehead, please remove the object and wipe clean the forehead - in order to improve the measuring accuracy.
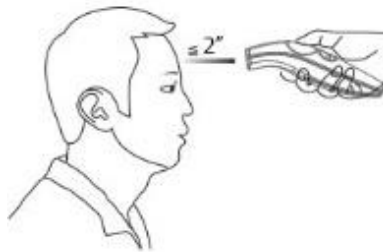
- Press the SCAN button for two seconds and release.
- You will hear a long beep - which means the result is ready. You can now read the temperature reading on the screen, as shown below.
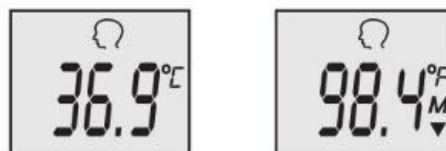
- The background color of the LCD screen will be changed into RED when the measurement result > the set fever alarm level (99.5°F). There will also be ten short audible beeps created by

the device as the alarm signal. Otherwise, the screen will stay in GREEN color and there will be no ten short beeping sound generated.

Measurement of the Object Temperature

- Move the Slide Switch downward to enter the Object Temperature measuring mode.
- Repeat the steps in the previous section.

Attention:

- Please make sure the person under-test and the thermometer are situated in the stable room temperature for at least 30 minutes before taking measurement.
- Please wait enough time after nursing, before taking temperature measurement on young kids.
- Never use the thermometer in the high temperature environment.
- Do not eat or drink before or during the measurement.
- Do not move during the measurement.
- Please clean the scan area and remove dust, hair or moisture before using the thermometer.
- Please do not move or take away the thermometer before hearing the long beeping sound at the end of measurement.
- If the sensing head is found to be dirty, please use alcohol cotton to wipe it carefully.
- For better comparison on the results, please try to take measurement in the same area.
- When taking measurement on a baby, please make sure the baby under-test has been situated in the environment for a long period of time. The large deviation of the room temperature has been prove to affect the reading result on the baby.
- Conditions for not using a no contact IR thermometer:
  - Measurement results show unexpected high or low data.
  - Newborn baby younger than 100 days.
  - Children under 3 years old who have a defective immune system or have history of contracting serious high fever.

Using the Memory Function

The thermometer can automatically memorize 30 measurement values. Please use the following sequence to read records saved in the memory.

- In the Off status, press the SCAN button for about 3 seconds. The M icon will start to flash on the display and the device is in the memory reading mode.
- Press the SCAN button again, "1" will appear on the screen. Immediately after the "1" showing, the measured record at the 1st memory slot will be displayed on the screen while the M icon keeps flashing. Please note that the most recent record is stored in the 1st memory slot.
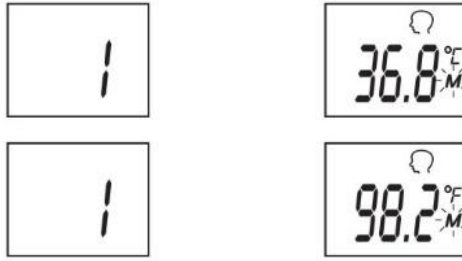
- After the showing of the 1st record, press SCAN button again to show the 2nd record. Repeat the action to have all 30 records in the memory displayed.
- After the showing of the 30th record, press SCAN button again will make the device to go back and display the 1st record in the memory.

4. Cleaning, Storage and maintenance of the Device

Clean the thermometer case and the sensing head with a cotton cloth wetted with 70% Isopropyl Alcohol. Please make sure not to let the liquid getting into the inner part of the product. It is recommended that the thermometer is cleaned following the above method every time after the usage.

Do not use abrasive cleaning agent, diluent or gas to clean. Do not immerse the thermometer in water or other liquid.

Be careful not to scratch the LCD surface during usage or cleaning. If anticipating a long period of idle time, please remove the battery from the device, to avoid the potential battery leakage to damage the thermometer.


5. Battery Related Information

- Use only high-quality batteries. (2pcs AAA batteries)
- Never mix old and new batteries or batteries made by different manufacturers.
- Immediately remove exhausted batteries.

- If you do not intend to use the device for a longer period of time, remove batteries to prevent possible battery leakage to damage the thermometer.
- Please help to protect the environment: do not dispose batteries in household waste! Dispose in designated collection points or municipal collection / recycling centers.
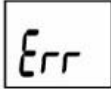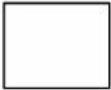

- This symbol on products and / or accompanying documents means that products must not be mixed with regular household waste.

- When this battery low symbol ▼ displayed on the screen, it is time to replace batteries. The replacing procedure is shown as below. Slide the battery cover off the thermometer, insert new equivalent batteries and carefully reapply the battery cover.
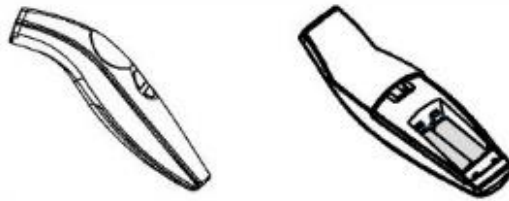
6. Error Messages

The Screen Display	Explanation	Possible Causes and Debugging Methods
	Measured Temperature over High Limit	Measurement High Limit: Human Body Mode - 109.4°F(43°C) / Object Mode - 212°F(100°C)
	Measured Temperature below Low Limit	Measurement High Limit: Human Body Mode – 89.6°F(32°C) / Object Mode - 32°F(0°C)
	The Ambient Temperature is too High	Ambient Temperature High Limit in both Mode: - 104°F(40°C)
	The Ambient Temperature is too Low	Ambient Temperature Low Limit: Human Body Mode – 59°F(15°C) / Object Mode - 41°F(5°C)

Err		System Failure	Turn off and restart the device
		Blank Screen	Please check whether the battery is properly installed
▼		Low Battery Indicator	Please replace the Batteries