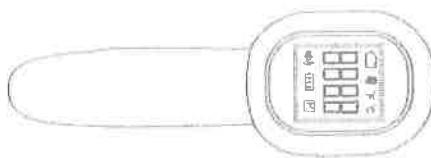


# Operation Instructions

## INFRARED FOREHEAD THERMOMETER SF-818



### Use and Operation

#### Product Overview

The infrared thermometer has two main modes: body temperature measurement and forehead measurement.

Please choose the mode to choose the body temperature measurement mode.

Step 1: Press the measurement probe to forehead. Ensure that the plane of the probe is parallel to the forehead and 1-2cm from the forehead.

Step 2: In the off state, turn on the measurement key to measure the temperature value. In the bright screen state, you only need to press the measurement key again to measure the measurement results, refer to the data in the table below.

Reference values for different measuring parts

MEASURING PART	NORMAL TEMPERATURE
ANUS	36.6-38°C
ORAL CAVITY	35.7-37.5°C
AXTER	34.7-37.2°C
EAR	35.6-38°C

Reference values for different ages

AGE	NORMAL TEMPERATURE
0-2 YEARS	35.4-38°C
3-10 YEARS	35.7-37.5°C
11-65 YEARS	35.9-37.5°C
> 65 YEARS	35.8-37.5°C

The maximum allowable error of human clinical diagnostic accuracy is specified by the following formula:

$$T_{\text{ERROR}} = \frac{|T_1 - T_{\text{REF}}| + |T_2 - T_{\text{REF}}|}{2}$$

$T_1$  and  $T_2$  are the temperature readings of the thermometer under test twice.

### Product Structure



#### Product Overview

Infrared thermometer license No.: gyjk production license No. 20200316

Registration license No.: Technical requirement No.: JZCZ No. 20202070092

Body Tech (Guangzhou) Electronics Co., Ltd

#### Product Name

Infrared thermometer

Product model SF-818 infrared thermometer

Product range: Display the temperature of the measured object by reading

the heat radiation from the forehead

Manufacturer: None

#### Product Performance

Temperature measurement range: 30-40°C

Temperature measurement mode: 32-42°C

Temperature measurement time: about 2 seconds

Resolution: 0.1°C

Maximum allowable error:

Within 35.0°C-42.0°C ±0.3°C±0.4%

Within 35.0°C-42.0°C ±0.3°C±0.4%

Splash method: LCD

Speaker size: 13.8x4.4x9.5cm (length\*width\*height)

Bright light: 90G

Infrared thermometer can achieve automatic power-off and self-check function

Power consumption: static 0.02W/200A, dynamic 0.02W/200A

Power supply: two AAA dry batteries (2.4V batteries)

Technical characteristics

Measurement time: about two seconds

Automatic power-off: 10 seconds

Automatic switching, with flashing seconds

With backlight, the backlight is blue and change

Memory reading function

Measurement range of infrared thermometer: (32°C-42°C)

9.6V-10.7V

Service life: more than 100,000 times normally

### VII Caution

Infrared thermometer is a precise electronic product, please use it with caution.

The infrared thermometer must be used under the working conditions required in this instruction.

Do not touch the thermometer from the measured part until the "Beep" sound stops.

Always keep the thermometer in the same position because different patients may cause different body temperature.

The measured temperature will vary because of different skin color and thickness.

Make sure the thermometer is clean and free of sweat, hair or when measuring the temperature of the forehead. Otherwise, the temperature will be too low.

Do not touch the thermometer or stick the body.

If it comes into other equipment in touch with other equipment, it must be close to standard with other equipment, only has been cleaned.

The display screen of thermometer sensor can be wiped and disinfected with alcohol, cloth. Do not put it in water or boil it in hot water for

disinfection.

This device includes sensitive components and must be matched with car storage and operating conditions are described in the "Symbol" and "Measuring Requirements" in this device manual.

If the measurement result does not match the patient's diagnosis, repeat the measurement temperature is abnormally low, repeat the measurement 15 minutes or measure another zone to verify the previous measurement results.

Remove the battery when the device is not used for a period of time, throw away the waste battery, and please protect the environment.

12. Protect the device from fire, explosion, impact, flame, liquid, water, oil, flammable gases, oxygen or nitrous oxide.

The highest reading is the final result.

1. For children under three years old, for those with medical immune systems and for those whose liver has a significant impairment.

2. When the user first learns how to measure, he or she should measure for 2-3 days until it is familiar with the device and can read stable data.

3. If the measurement result is abnormal (e.g. 38.5°C), short, the temperature readings from different measurement points should not be compared because the measured values will vary according to the measurement time. During the day, a person's body temperature is affected by alcohol, cloth. Do not put it in water or boil it in hot water for

disinfection.

### VIII Error Message and Solution

#### Screen display

#### Beep prompt

#### Possible cause

#### Solution

H1 "Beep" When the measurement result is 43°C

When the measurement result is 43°C

LL1 "Beep" When the measurement result is 33.5°C

When the measurement result is 33.5°C

#### XIX Main Maintenance and Replacement

#### Properly

#### After A2A battery is included in the standard packages

Please follow these steps to install the battery.

Step 1: Push the battery cover downward in the direction indicated by the arrow.

Step 2: Remove the battery cover.

Step 3: Place the battery in the battery slot, and pay attention to the positive and negative contacts of the battery.

Step 4: Close the battery cover.

#### X Battery replacement

"▼" displays on the LCD means that the battery is in a low power state. The battery must be replaced as soon as possible to ensure the accuracy of the measurement.

#### XI Notes for storage

#### 1. The thermometer contains sensitive electronic components. Avoid it directly in an environment with electromagnetic interference (such as mobile phone, microwave oven, etc.) to prevent temporary affect the life of the thermometer.

#### 2. Keeping the surface of the thermometer clean and tidy often will help

#### 3. Do not store the thermometer in the sun or near fire.

#### 4. Please remove the battery from the product when the thermometer is not used for a long time (more than 3 months).

#### 5. Do not use the thermometer for purposes other than its original design.

#### 6. Do not touch the thermometer with your hands.

#### 7. Do not drop the thermometer to the ground hard to avoid impact and display.

#### 8. In order to avoid damage, please do not put the battery in the same bag with metal objects such as coins or a string of keys or with other containers.

#### 9. Do not place the battery near the fire source, when it is not in use, the battery will be damaged.

#### 10. Do not allow liquids such as water to enter the body.

### V. Operation mode: continuous operation

Classification of anti-shock test: internal power supply equipment, Class B

Impact抗摔度: Type A application test, direct sunlight, heat and cold environments

Storage and handling requirements

Warning: This device is a substitute of doctor. This device is not water

do not put it into water.

7. (Waterproof) occurs during the early stage of fever and the 30

temperature of the skin decrease, so the measured temperature is abnormally low.

8. If the measurement result does not match the patient's diagnosis, repeat the measurement temperature is abnormally low, repeat the measurement 15 minutes or measure another zone to verify the previous measurement results.

9. This device includes sensitive components and must be matched with car storage and operating conditions are described in the "Symbol" and "Measuring Requirements" in this device manual.

10. It retains small parts. To avoid swallowing, children need to use adult supervision.

11. Remove the battery when the device is not used for a period of time, throw away the waste battery, and please protect the environment.

12. Protect the device from fire, explosion, impact, flame, liquid, water, oil, flammable gases, oxygen or nitrous oxide.

The highest reading is the final result.

1. For children under three years old, for those with medical immune systems and for those whose liver has a significant impairment.

2. When the user first learns how to measure, he or she should measure for 2-3 days until it is familiar with the device and can read stable data.

3. If the measurement result is abnormal (e.g. 38.5°C), short, the temperature readings from different measurement points should not be compared because the measured values will vary according to the measurement time. During the day, a person's body temperature is affected by alcohol, cloth. Do not put it in water or boil it in hot water for

disinfection.

This device includes sensitive electronic components. Avoid it directly in an environment with electromagnetic interference (such as mobile phone, microwave oven, etc.) to prevent temporary affect the life of the thermometer.

4. Please remove the battery from the product when the thermometer is not used for a long time (more than 3 months).

5. Do not use the thermometer for purposes other than its original design.

6. Do not touch the thermometer with your hands.

7. Do not drop the thermometer to the ground hard to avoid impact and display.

8. In order to avoid damage, please do not put the battery in the same bag with metal objects such as coins or a string of keys or with other containers.

9. Do not place the battery near the fire source, when it is not in use, the battery will be damaged.

10. Do not allow liquids such as water to enter the body.

Note: If the device fails due to your failure to observe the above note, the manufacturer will not be responsible for any damage caused by incorrect use.

Other Matters Needing Attention

Service life

The product's service life is 3 years (except for vulnerable and consumable parts) under the condition of complying with storage requirements.

Storage and handling requirements

See certificate of quality for date of manufacture for calibration.

Product transportation and storage Environment for product transportation

Storage:

Temperature: -20~50°C relative humidity: 15~95%

Atmospheric pressure: 70Kpa~106Kpa

Service life:

More than 100,000 times normally

Measurement time: about two seconds

Automatic power-off: 10 seconds

Automatic switching, with flashing seconds

With backlight, the backlight is blue and change

Memory reading function

Measurement range of infrared thermometer: (32°C-42°C)

9.6V-10.7V

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