

# **meijidenki**

## **Electronic thermometer TF-500 Instruction Manual**



Please carefully read the product manual or purchase and use with  
instruction of doctors, more details are in specifications

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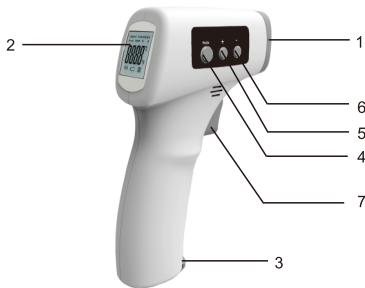
## 1.Product Introduction

This product is a electronic thermometer.It has two modes of body temperature and object temperature. It can record 25 sets of body temperature data. It has high and low temperature alarm and automatic shutdown functions.

## Scope of Application

Suitable for non-contact body temperature measurement on the forehead of the human body.

## Product Description



- 1.Sensor: both ends are aligned with the object to be measured during measurement.
- 2.LCD screen displays the readings
- 3.Battery cover: open down to install or replace the battery
- 4.Mode selection key: used to select body temperature or surface temperature;
- 5.Query up arrow
- 6.Query down arrow
- 7.Trigger key. used for start-up measurement

## 2. Datasheet

|                       |  |
|-----------------------|--|
| Stored Temperature    | -20℃ ~ 50℃   |
| Operating Temperature | 10℃ ~ 40℃  |
| Battery Model         | DC3V, Two AAA Alkaline   |
| Relative Humidity     | ≤85%   |
| Atmospheric Pressure  | 70KPa~106KPa   |
| Net Weight            | 95g  |
| Dimension             | 152.4X102.2X41.6mm   |
| Measuring Time        | ≤2S  |
| Measuring Range       | Body Temperature Mode: 32 ~ 43℃<br>Object Temperature Mode: -10 ~ 100℃   |
| Button Lifetime       | 50,000 times   |
| Measuring Range       | 1-3cm  |
| Automatic Shut-down   | ≤20S   |
| Backlight Instruction | Object Temperature Mode : Green backlight<br>Body temperature Mode: Dual Color Backlight<br>34.0 ~ 37.5℃-Green<br>37.6 ~ 38.0℃-Green<br>38.1 ~ 42.9℃-Red |
| Measuring Accuracy    | ± 0.3℃ ( 32.0℃-34.9℃ )<br>± 0.2℃ ( 35.0℃-39.0℃ )<br>± 0.3℃ ( 39.1℃-42.9℃ )   |



### 3. Use and Safety of Infrared Systems

1. Infrared system use: In the power-on state, press and hold the select key for 3 seconds to turn on and off the use of infrared system.
2. The infrared system is safe to use: When the infrared beam is turned on, please use it carefully. Don't direct the infrared beam to explosive gases and human eyes.

### 4. Battery Installation and Replacement

The battery symbol will appear on the display with low battery. At this time, the battery should be replaced. Open the battery cover and insert a new battery.

### 5. Precaution

1. In order to obtain stable and accurate measurement data, when the room temperature varies greatly, the infrared thermometer should be placed in the room for 15-20 minutes before use.
2. The temperature measured will vary depending on the person's skin tone and thickness.
3. Do not expose the product to the sun and do not touch the water
4. Repeat the measurement one minute after two consecutive measurements.

### 6. Advise

In order to obtain stable and accurate measurement data, please use the following steps to perform the necessary checks before using Electronic thermometer:

Step 1: use a traditional thermometer to measure someone to get a temperature value;

Step 2: Use a electronic thermometer to measure the same person. Keep a distance of 1 to 3 cm from the forehead (note that you must remove any obstacles that may affect the measurement, such as hair and sweat). It means that the intelligent infrared thermometer is set up and can be used normally.

If the readings differ, you need to calibrate the electronic thermometer and add the difference (to aid temperature correction in the settings).

## 7.Instruction for use

1. Press and hold the measurement button to turn on, and the display will automatically measure after 1.5 seconds. Standby time is about 20 seconds. After 20 seconds, it will automatically shut down. In the standby state, you can press the measurement key to measure. The measurement time is about 2 seconds.
- 2.Word search, short press the up or down key under the measurement interface to query records, the total number of record groups is 25 groups.
- 3.Parameter setting, short press Mode key to switch between "body temperature" and "object temperature", long press Mode key to enter detailed parameter settings. F1 is the display unit C and T switch, F2 is the buzzer switch setting, F3 For temperature correction setting, press the up or down key to set accordingly, short press Mode to save parameters.
- 4.Alarm display, when testing at the temperature mode, if temperature is higher than a certain value, there will be an alarm prompt.

| Body Temperature | Outcome      | Buzzer             | Backlight |
|------------------|--------------|--------------------|-----------|
| 34.0 ~ 37.5℃     | Normal       | One short Buzzer   | Green     |
| 37.6 ~ 38.0℃     | Slight Fever | Three short Buzzer | Green     |
| 38.1 ~ 42.9℃     | Sever Fever  | Five short Buzzer  | Red       |

**Note:** The measurement results are related to various factors such as forehead hair, sweat, skin color, and measurement angle, so the measurement results are just for reference.

5.When the battery symbol appears on the interface, it indicates that the battery level is low and the battery needs to be replaced.

### 6.Error code

- Er1 target temperature measurement is unstable, please keep target stable
- Er2 Ambient temperature exceeds 40 ° C or less than 5 ° C, please use it at appropriate ambient temperature
- Hi Hi measurement temperature running high alarm
- Lo Low temperature alarm

## 8. Icon Symbol Description

This equipment is part of the internal power .



Attention symbol: refer to accompanying documentation



The B type application part mark indicates the degree of protection against electric shock according to the GB9706.1-2007 standard.

## 9. After-sale Service and Commitment

This product comes with 2 years free warranty from the date of purchase. During the warranty period, quality problems caused by defects in materials or workmanship are resolved free of charge, and the entire product can be repaired or replaced if necessary. At the same time, lifelong repair service is provided. This commitment is applicable to any distributors designated by our company or the country where this product is sold. This commitment is except for the following: damage caused by improper use, which does not affect the normal wear or flaw of the measurement.

If it is repaired by someone other than the designated person or if the machine is opened on its own, it will not enjoy the maintenance service provided by this contract.

If you need service during the warranty period, please send the complete product and purchase documents to our designated customer service center.

# QUALIFIED CERTIFICATE

Product name: \_\_\_\_\_

Model No.: \_\_\_\_\_

Inspection Date: \_\_\_\_\_

Inspector: \_\_\_\_\_

This product is qualified to pass the inspection

## WARRANTY CARD

Product No.: \_\_\_\_\_ Model NO.: \_\_\_\_\_

Sales Shop: \_\_\_\_\_ Purchase Date: \_\_\_\_\_

Customer's Name: \_\_\_\_\_ Customer's Tel: \_\_\_\_\_

Customer's Postcode: \_\_\_\_\_ Customer's Email: \_\_\_\_\_

Customer's Address: \_\_\_\_\_

Fault Description: \_\_\_\_\_