

of human forehead and actual body temperature (the data in this table are for reference only)

Forehead Temperature	34°C	35°C	35.6°C	35.8°C
Actual Temperature	36.2°C	37°C	37.5°C	37.7°C
Forehead Temperature	36°C	36.2°C	36.4°C	37°C
Actual Temperature	37.6°C	39°C	39.1°C	39.5°C

2.Operation Instruction

1.Unit Changing

Keep pressing "Mode" button for 2 seconds, the screen will show F1, press "-" to select Celsius, press "+" to select Fahrenheit.

2.Alarm setting—Menu F2

Keep pressing "Mode" button for 2 seconds, the screen will show F1, press "Mode" button for 2 times to enter F2, and then press "+" to increase the temperature value by 0.1°C (0.1°F) to set the threshold value of alarm.

Note: The default value of alarm is 38°C (100.4°F).

3.calibration—Menu F3

4.Keep Pressing "Mode" button for two seconds, the screen shows F1, then press "Mode" to enter F3 directly, then press "+" to add the difference by step 0.1°C(0.1°F), pree "-" to minus the difference by step 0.1°C(0.1°F).

Note: This function is only for Body mode.

5.Keep On/Off—Menu F4(F3)

Keep pressing "Mode" button for two seconds, the screen

4

9.Replacing battery

When the LCD displays battery icon, it indicates that the battery is running out.

Open the battery cover and replace the battery in the correct position, if the battery is in the wrong direction, the product will be damaged.

Don't use rechargeable batteries. Only use disposable batteries.

Admonish:

LCD protection glass is very important, also is fragile parts, please be careful when using, if need to clean, please gently dry instrument surface with alcohol. Please do not expose the product to the sun, and noted that it is not waterproof.

8



9

Operation Manual

1.Before First use

Warning before first use: in order to obtain stable and reliable temperature measurement data, please follow the following steps to make necessary checks before using the Non-Contact infrared forehead thermometer:

Step 1: A traditional forehead thermometer is used to measure someone, assuming a temperature of 37.5°C (99.5°F).

Step 2: Use a Non-contact infrared forehead thermometer to measure the same person, keeping a distance of 2 to 5 cm between the thermometer and the forehead (be careful to remove any obstacles that may affect the measurement, such as hair, sweat, etc.). If you get the same temperature of 37.5°C (99.5°F), then the contactless infrared forehead thermometer can be used. If you get a low data, such as 36.4°C, a difference of 1.1°C, you need to calibrate the non-contact infrared forehead thermometer, plus the difference.

Do as followed:Keep Pressing "Mode" button for two seconds, the screen shows F1, then press "Mode" to enter F3 directly, then press "+" to add the difference by step 0.1°C(0.1°F).

Step 3: Measure again to check.

Table of comparison between skin surface temperature

5

Technical Description

1.Product Brief Introduction

THK-TOP01 is a professional non-contact Infrared forehead thermometer for both body and object measuring, according to the human skin differences, the measurement of the temperature will be different. Note: When the room temperature changes greatly, the infrared thermometer should be placed in the room for 15 to 20 minutes before use.

2.Specifications

No.	Items	Specifications
1	Measuring Range (Body)	34.0~42.9°C/94°F~108.9°F
2	Measuring Range (Object)	0~100°C/32~180°F
3	Accuracy	Body Measuring: ±0.2°C Object Measuring: ±0.3°C
4	Measuring Distance	2~5cm
5	Response Time	0.5 Sec
6	emissivity	Fixed 0.95
7	Spectral Response	6~14um
8	Automatic Power Off	7Sec
9	Stored Records	50
10	Using Environment	Better in 16~40°C (60°F~112°F)
11	Storage Temperature	-20°C~60°C (-4°F~140°F)

3

Catalog

TECHNICAL DESCRIPTION

1.PRODUCT BRIEF INTRODUCTION

3

2.SPECIFICATIONS

OPERATION MANUAL

1.BEFORE FIRST USE

6

2.OPERATION INSTRUCTION

7

2

shows F1, then press "Mode" for 3(2) times to enter F4 (F3), then press "+" to Beep on, press "-" to off.

6.Quit setting mode

Keep pressing "Mode" button until power off will quit setting mode.

The product is a non-contact infrared forehead thermometer that specializes in measuring body temperature, so the temperature range in human mode is 32.0~42.50°C (90~108°F).

The product can also be used to measure the surface temperature of objects, foods, liquids, or indoor temperatures in the range of 0°C to 60 °C (32 to 140 °F). Important: the body temperature is not the same as the surface temperature, so the "body" mode is usually chosen for body temperature measurement.

7.Body/Object mode selecting

Push the button to Body or Object mode as you want, thermometer will work on the mode you selected.

8.Storage Records

The measured temperature value will be automatically stored and displayed in the bottom right corner of the LCD. Press the "+" or "-" key to call out the stored data.

In the case of power off, while holding "+" and "-" for about 2 seconds, you can also call out the stored data.

8

Warnings of Colors

Green, Orange, Red, three colors of backlight. While temperature is below 37.3°C, the LCD backlight is white; between 37.4°C to 38°C, the LCD backlight is yellow; higher than 38°C, the LCD backlight is red. The threshold values are programmable.



9

12	Relative humidity	10%~90%RH Operating, <80%RH Storage
13	Power Supply	DC3V Battery (2Pcs AAA)

Note: The accuracy is measured at ambient temperature of 23°C~28°C (73°F~82°F) and relative humidity of less than 80%RH and at emissivity of fixed 0.95.

Measuring Position	Normal Temperature °C	Normal Temperature °F
Arm	36.6~38.0	97.8~100.4
Mouth Cavity	35.5~37.5	95.9~99.5
Rectal	34.7~37.3	94.4~99.1
Ear	35.8~38.0	96.4~100.4

Note: A person's body temperature varies with the time of day and is also affected by other external conditions such as age, gender, skin color and thickness.

The range of normal body temperature at different ages:

Age	Normal Temperature °C	Normal Temperature °F
0~2	36.4~38.0	97.5~100.4
3~10	36.1~37.8	97.0~100.0
11~65	35.9~37.6	96.6~99.7
>65	35.8~37.5	96.4~99.5

3

Infrared Forehead Thermometer THK-TOP01 User's Manual

2