



MAKING IT POSSIBLE

# Non-Contact IR Thermometer

DT-8861



Infrared  
Thermometer



Temperature  
Indicator



32 Memories

## ABOUT THE PRODUCT:

This product is a professional non-contact infrared thermometer with bluetooth function (bluetooth version is 4.0), which can be used to measure human body and forehead temperature.

Measurement at different part of body may result in different reading depending on how exposed your body is.

## PRECAUTIONS:

- Please read this manual carefully before use.
- The application environment temperature range for this product is from 10°C (50 °F) to 40 °C (104 °F). The best usage environment temperature is 25 °C (77 °F).
- Please do not use this product in the areas with temperature higher than 50°C (122 °F) or lower than 0°C (32 °F).
- Please do not bring this product in contact with any electrified device so as to avoid electrical shock.
- Please do not use this product in areas with humidity higher than 80%.
- Please do not bring this product too close to electromagnetic emitting device such as radio or mobile phone.
- Please do not expose this product directly under sun, or too close to oven. Also, avoid contact with water.
- Please do not hit or drop this product and stop using it if it is damaged.
- The sweat, hair, hat or scarf may impact the measurement accuracy.
- Please make sure the measurement distance is within 5 cm.
- In order to get stable and reliable measurement result, keep this instrument inside the room for 15 to 20 minutes before using it.
- Please measure behind the earlobe if the forehead cannot reflect the actual body temperature due to sweating.
- Use alcohol to sweep the surface of the instrument gently for cleaning.
- Please contact the customer care for repairing instead of doing it yourself.

## FEATURES:

- High precision non-contact body temperature measurement.
- Option to choose between °C or °F
- Temperature mode selection. Press "MODE" when instrument in "ON" status.
- Body inner and body surface temperature measurement mode, (Body inner mode is for body inner temperature. Body surface mode is for measuring object surface temperature). Setting method : In the boot condition, press the "Mode" key for 4 seconds till "F-I" appears, and then press the upwards or downwards key for conversion. (BODY - body inner temperature mode ; SurF - objects' surface temperature mode); Press the "MODE" to enter "F-2" and adjust the alarm temperature ( preset value is 38C), and then press the upwards or downwards key to adjust the temperature that you want; Press the "MODE" to enter the F-3 to compensate the temperature difference, and then press the upwards key to plus the difference or the downwards key to decrease the difference; Press the "MODE" to enter "F-4" for the Buzzer prompt function (the preset is "ON"), and press upwards and downwards key to choose (ON - Turn on, Off - Turn off), and then press the "MODE" to start the machine, then finish the setting.
- The device also has a LCD with backlight for the users to use in the dark. Setting method: In the boot condition, press the downwards key for 5 seconds to turn on the backlight.
- This device can store the latest 32 measured data (In the boot condition, press the upwards and downwards key to check the stored data)
- Store the data and shutdown the machine automatically.

## NOTICE BEFORE USAGE:

In order to get stable and reliable measurement data, the instrument should be kept in room before usage if room temperature has big change.

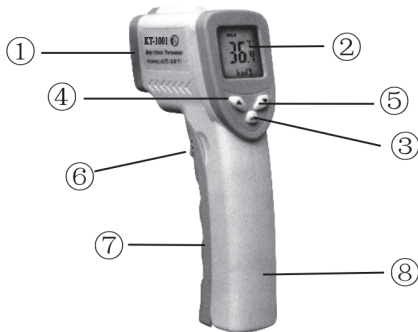
The following necessary inspection should be finished before usage.

First step: Measure body temperature with traditional body temperature meter. Assume 37.5°C (99.5°F) is the reading.

Second step: Use the non-contact thermometer to measure the same person who has been measured in first step. Hold the meter 5 cm away from the forehead (pay attention to move away any obstacle such as hair or sweat), if the same reading 37.5 °C (99.5°F) is obtained, then the meter is good for use. If lower reading is obtained, such as 36.4°C 97.5°F, and 1.1°C (2.0°F) indifference, calibration is needed. Hold "MODE" key after turning on the instrument for 4 seconds, screen appears "F-I", then press "MODE" for two times and enter "F-3", and then press upwards key to increase the offset and downwards key to decrease the offset, and then press "MODE" two times to turn off the instrument, calibration is completed. Third step, follow the second step again to confirm the instrument is good to use.

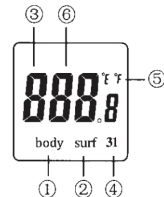
## STRUCTURE:

1. Infra-red detector
2. LCD screen
3. "MODE" selection key
4. Upwards key
5. Downwards key
6. Measurement switch
7. Battery cover
8. Handle



## LCD SCREEN DESCRIPTION:

1. Human body temperature mode (BODY)
2. Surface temperature mode (SURF)
3. Digital reading
4. Storage position
5. Temperature °C/°F
6. Storage data withdraw



## TECHNICAL INDEXES:

Resolution	0.1°C (0.1°F)
Storage temperature	0-50°C (32-122°F)
Operation temperature	10-40°C (50-104°F)
Relative humidity	<85%
Power	DC 3V (two #7 battery in series)
Dimension	158*90*37MM
Weight	Gross 267g, Net 137g

### Measurement range

Measurement range in human body mode	32.0-42.5°C (89.6-108.5°F)
Measurement range in surface mode	0-100°C (32-212°F)
Precision in human body mode	±0.2°C (0.36°F)
Precision in surface mode	±1.0°C (1.8°F)
Best measurement distance	within 5cm (2 inch)
Time to automatic shut down	13 seconds

#### None-contact infra-red forehead thermal meter precision

32-35.9°C (89.6~96.6°F)	±0.3°C(0.5°F)	According to ASTM standards E1 965-1998(2003)
36~39°C (96.8-102.2°F)	±0.2°C(0.4°F)	
39-42.5°C ( 102.2-108.5°F)	±0.3°C(0.5°F)	

## INSTRUCTIONS:

1. Battery installation (pay attention to the positive, negative polarity)
2. When using for the first time, wait 10 minutes for warming up the thermometer. If the meter has been shut down for a long time, the meter will perform environment temperature check after turning on, and will take 1-2 seconds to get prepared for measuring temperature.
3. Point to the forehead at a distance of 5 cm. Press measurement switch and the temperature reading appears immediately. Make sure the forehead is not covered by hair, sweat, cosmetics or hat.
4. When sweating or environment temperature changes too much, point the meter to the position behind the earlobe, and make sure that body surface is not covered by hair, sweat, cosmetics or hat.
5. When you press the down switch ©, the screen shows the reading of the temperature under measurement, the measurement data can be stored automatically (press upwards and downwards to access the most recently stored measurements)
6. Change battery: When device is out of battery, a signal will appear on the screen as a reminder to change battery, open the battery cover and pay attention to the polarity of the battery, wrong polarity could lead to instrument damage. Please take out the battery if not using the device for long time to avoid leakage of battery.
7. Usage life: The usage life is about 40 thousand times of measurement. As to obtain a stable and reliable measurement data, the instrument should be kept in room for 15 to 20 minutes if the change of room temperature is big. Human body temperature could change during the day, and at the same time other element could affect the body temperature such as age, agenda and skin color.

#### Normal temperature range for different part of body

Body part	MethodNormal Temp °C	Normal TEMP °F
anus	36.6-38	97.8-100.4
nonnasality	35.5-37.5	95.9-99.5
oxter	34.7-37.3	94.4-99.1
ear	35.8-38	96.4-100.4

#### Normal temperature range for different age

age	Temp (°C)	Temp (°F)
0-2 years	36.1-38.0	97-100.4
3-10 years	36.1-37.8	97.0-100.0
11-65 years	35.9-37.6	96.6-99.7
>65 years	35.8-37.5	96.4-99.5

## ADVICES:

- Protection of glass of the LCD is very important and fragile, treat it carefully during usage.
- Please do not attempt to charge the battery. Do not throw the battery into the fire.
- Please do not expose this product directly into the sun. Also, keep it away from the water.

## MAINTENANCE:

- A. The detection head is the most sophisticated part, treat it with care.
  - Clean the instrument surface with wiper and 70% density alcohol.
  - Please do not use corrosive cleaning agent.
  - Keep it away from all the liquid.
  - Please store this product in dry environment free from dust, contamination and direct sun.



B. If the following problem appears during usage, please follow the maintenance instruction. If the problem insists, please contact the customer service.

1. LCD cannot display value reading.

In body temperature mode, if body temperature is lower than 32°C (89. 6°F) or higher than 42.5°C (108. 5°F), "LO" or "HI" will be displayed instead of value.

2. " HI" message on LCD

When "HI" appears, this signal indicates that the temperature is out of the measurement up limit or the body temperature is higher than 42.5 °C (108. 5°F) for in body mode.



3. " LO" message on LCD

When "LO" appears, this signal indicates that the temperature is out of measurement range low limit or body temperature is lower than 32 °C (89. 6°F) for in body mode.



The possible situation for reference when "LO" or "HI" appears

The root cause for "LO" or "HI"	Suggestion
Temperature reading is impacted by hair or sweat	Make sure the measurement body part is not covered by any obstacles.
Temperature is affected by airflow	Make sure the airflow is stable during measurement
Measurement distance is too big	Please keep the measurement distance smaller than 5cm
Move from low temperature or high temperature outside environment into the room	Wait for 10 minutes till the body temperature adapt to the new environment.

## Consumer Warranty Card

Dear Customer,

Thank you for choosing a Lifelong consumer product. All Lifelong Consumer products are designed and manufactured to the highest standards to deliver high quality performance, as well as easy installation and use. At Lifelong, we believe in providing not only service, but adding value to your purchase. The warranty has therefore been designed especially for you with your interest at heart.

### Warranty Service

All Lifelong consumer products are covered against manufacturing defects from their date of purchase.

Name of the product: \_\_\_\_\_

Model: \_\_\_\_\_

Warranty coverage: 1 year

Please note:

Purchase receipt is necessary for warranty verification.

Customer Care: [customercare@lifelongindia.com](mailto:customercare@lifelongindia.com)

### Customer Details

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Home Number: \_\_\_\_\_

Office Number: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

### Product Details

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

Serial No.: \_\_\_\_\_

Purchase Date: \_\_\_\_\_

Invoice Number: \_\_\_\_\_

Online Site: \_\_\_\_\_

Please log onto to [www.lifelongindiaonline.com](http://www.lifelongindiaonline.com) and complete the online warranty form with your personal and product details within 14 days.

## Terms and Conditions:

- This warranty is void if:
  - The completely filled warranty card is not presented at the time of servicing the product.
  - The product is not operated according to the instructions given under the user manual.
- Damages are caused by lightning, abnormal voltage, water or other liquid intrusion, fire, flood, accident, negligence or improper handling.
- Product has been damaged due to installation, repairs, alterations or modifications by unauthorized service organizations or persons.
- Product label specifying the model number, serial number and production code has been removed and altered.
- Defects or parts requiring replacement due to ordinary wear and tear, corrosion, rust or stains, scratches, dents on the casing or paintwork of the product.
- Claims damaged and/or missing parts (accessories) after 7 days from the original date of goods received.
- Defects or faults in product which have been used for commercial/industrial purposes or which have been rented/leased or have been otherwise subject to non-household/non-domestic use.
- Repairs or replacements will be carried out by authorized service provider.
- During the limited warranty period, Lifelong or its authorized service provider will repair without charge the defective unit inclusive of labor and parts and restore the unit to its optimum working condition. All defective parts used for the warranty repair should be surrendered to Lifelong and/or its authorised service.
- All expenses incurred in collecting the unit (s) or part(s) thereof from authorised service provider as well as any other expenses and incidentals will be borne by the consumer.
- Lifelong obligations are limited to the repair and replacement of the defective product. Except as set forth above, there are no other express or implied warranty and all warranted, conditions or other terms implied by statute or common law (including any warranty of satisfactory quality, merchantability or fitness for a particular purpose) are excluded to the fullest extent permitted by the law.
- Lifelong total liability for damages relating to or arising out of the purchase or use of the product regardless of the type or cause of such damage of the form of characterization of the claim asserted (e.g. contract or tort) shall not exceed the original purchase price paid for the product.
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