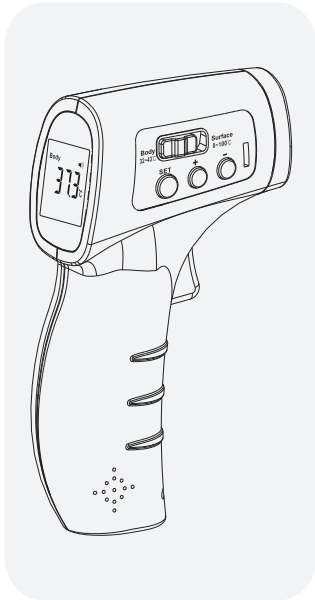


Non-Contact Infrared Thermometer
Instruction manual



Version: WT3652-EN-00

A. Brief Introduction

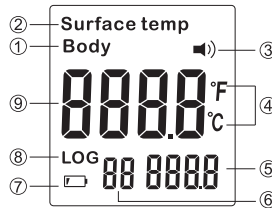
This non-contact infrared thermometer decides surface temperature of an object by measuring the infrared energy radiated from the surface of the object. It is a non-contact forehead electronic thermometer designed specifically for forehead temperature of human body.

This non-contact forehead thermometer possesses the following features:

1. Three-color backlight as fever reminder;
2. Two measurement modes;
3. Automatic shutdown after 20 seconds of no operation;
4. Fever alarm point can be set;
5. Temperature correction;
6. Store up to 32 sets of measured data;
7. Silent mode;
8. Switch between Celsius and Fahrenheit.

B. LCD Display and Button Functions

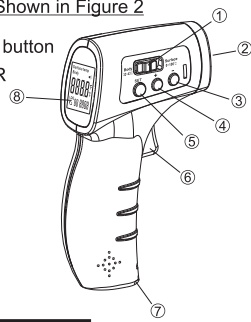
1. LCD display: as Show in Figure 1



1. Body temperature mode indicator
2. Surface temperature mode indicator
3. Buzzer indicator
4. Temperature unit
5. Stored data
6. Serial number of stored data
7. Low battery indicator
8. Data storage indicator
9. Temperature value

2. Button Functions: as Shown in Figure 2

1. Body / Surface switch button
2. Temperature SENSOR
3. Down button
4. Up button
5. Setting button
6. Measurement button / power button
7. Battery cover
8. LCD display



C. Operation Instructions

1. Measuring Temperature:

- (1) Open battery cover (labeled with positive and negative poles), insert two AAA batteries in correct "+" and "-" directions, and close battery cover.
- (2) Press power button to turn it on.
- (3) After turning on, point temperature sensor to the object to be measured and press measurement button (switch measurement mode to object temperature mode for measurement of normal object).
- (4) Measurement of body temperature:
Switch measurement mode to human body temperature mode, and point temperature sensor to the middle of forehead and keep it vertical. The distance between forehead and sensor is about (1~10) cm. Press measurement button for about one second and then the measured value appears. If the measured value exceeds body temperature alarm point (the default value is 38 degrees), a beeping alarm sound will let out.

2. Switch measurement mode:

Switch mode by pressing "Body/Surface" switch button.

3. Temperature alarm setting:

Press and hold SET button for 2s, LCD screen displays F1 (after 1 to 2s the original setting value

appears), press the up or down button to adjust the alarm temperature, the factory default is 38 °C.

4. temperature unit setting:

Press and hold SET button 2s, LCD screen displays F1, press SET button again and LCD screen displays F2 (after 1 to 2s the original unit appears), press the up/down button to change the unit.

5. temperature correction setting:

Due to different complexions and skin thickness, there are some differences in body temperature (surface temperature). As for temperature correction, press and hold SET button for 2s, LCD screen displays F1, then press SET button twice to display F3 (after 1 to 2s the original setting value appears), press up/down button to adjust correction value, and the default 0.0 has no correction.

For example: the actual body temperature is 37.6 °C. If the forehead temperature measured by the instrument is 38.1 °C, which is 0.5 °C larger than the actual value, the temperature value can be corrected via the way mentioned above. In this case, after entering F3, the correction value is changed to "-0.5 °C" by the down button.

Note: After the battery is removed and the power is off, the correction value will return to the default value.

6. Buzzer switch setting:

Press and hold SET button for 2s, LCD screen displays F1, and press SET button three times to display F4 (after 1 to 2s the original setting value appears), press up/down button to adjust, and LCD screen displays On or Off simultaneously.

7. Backlight alarm setting:

Press and hold SET button for 2s, LCD screen displays F1, and press SET button four times to display F4 (after 1 to 2s the original setting value appears), press up/down button to adjust, and LCD screen displays LOn or LOff simultaneously.

8. Data storage:

(1) After each measurement is completed, the measured data will be automatically recorded (LOG). A total of 32 groups will be recorded, and if the group number is over 32, the first one will be automatically covered, and so on.

(2) Under power-on state, short press SET button to enter memory view mode. At this time, press plus or minus button to retrieve the data measured before.

D. Technical Parameters

Measurement range of body temperature	32°C~43°C (89.6°F~109.4°F)
Measurement range of surface temperature	0°C~100°C (32°F~212°F)
Measurement accuracy	0°C~31.9°C(32°F~89.4°F): ±2.0°C(±3.6°F)
	32°C~34.9°C(89.6°F~94.8°F): ±0.3°C(±0.5°F)
	35°C~42.0°C(95°F~107.6°F): ±0.2°C(±0.4°F)
	42.1°C~43.0°C(107.8°F~109.4°F): ±0.3°C(±0.5°F)
	43.1°C~100°C(109.6°F~212°F): ±2.0°C(±3.6°F)
Display accuracy	0.1°C(0.1°F)
Measurement distance	(1~10) CM
Response time	1 Second
Light (backlight) alarm	1. Human body temperature mode Green light≤37.3°C(99.1°F); 37.4°C(99.32°F)≤orange light<alarm point Default alarm point 38°C(100.4°F). Red light≥alarm point; 2. Surface temperature mode Green light: 0°C~100°C(32°F~212°F)
Response wavelength	(5~14) um
Surface temperature emissivity	0.99
Shutdown (sleep) time after no operation	20s
Power	DC 3V (AAA*2 batteries)
Over working environment temperature indicator	LCD shows "AT H" / "AT L".
Overload indicator	LCD shows "Hi" / "Lo" Backlight indication: Red.
Working environment	10°C~40°C (50°F~104°F) Relative humidity≤85%
Storage environment temperature	-25°C~60°C (-13°F~140°F)

E. Precautions

1. This forehead thermometer is only applicable to temperature measurement of forehead, and the results of other parts are for reference only.
2. When measuring body temperature, make sure that the thermometer is in a stable environment. It is advised not to make measurement in places with big airflow, like fan or air conditioning outlet. when the environment temperature changes sharply (such as just opening the air conditioning or moving from outdoor to indoor), please wait for about 30~60mins until the thermometer stabilizes.
3. Do not use in an environment of strong magnetic field.
4. Before measurement, please ensure that the measured part of forehead is clean, with no hair cover, sweat, dust and so on.
5. When the measured object comes from places of obvious different temperature from that of measure environment, he/she should stay at least for more than five minutes in the measurement environment.
6. After measuring extreme high temperature and low temperature, do not immediately measure body temperature. The thermometer should be placed for about 15 minutes to stabilize and then measure.
7. After exercising, bathing and eating, the body temperature generally changes slightly. It is advised to measure body temperature again after 30 minutes.
8. When measuring body temperature, it is advised to test several times to take the data appearing most frequent as reference.
9. Before and after use, please keep the inner space of sensor clean.
10. After measuring body temperature, if the result exceed expectation, it is advised to use a contact thermometer (such as mercury thermometer) as reference.
11. This instrument is not waterproof, please do not put it in the water.

Specific Declarations:
Our company shall hold no any responsibility resulting from using output from this product as an direct or indirect evidence.
We reserves the right to modify product design and specification without notice.

