



Thank you for choosing the DuoSmart Infrared (forehead and ear) thermometer. This product features the newest technology and has been listed with the FDA. Its unique technology enables stable and accurate measurements every time. This product is designed specifically to measure/monitor body temperature for use at home or in clinical settings. The ear mode of the thermometer shall not be used on children under 3 months of age.

Key of symbols

symbol	Description
	WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury
	CAUTION indicates a hazardous situation which, if not avoided, may result in minor or moderate injury
	NOTICE addresses practices not related to personal injuries, such as product and/or property damage
	Type BF
	Do not dispose of this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary
	This item is compliant with the Medical Device Directive 93/42/EEC of June 14, 1993, a directive of the European Economic community
	Refer to instruction manual/booklet
	Degree of protection against harmful ingress of particulate matter and water.
	Manufacturer
	Serial number

WARNING

Do not make your own judgement based on the measurement from the thermometer, whether you are having a fever or not. If you are concerned about your health, please consult a physician. Do not dispose of electronics as unsorted municipal waste. Use separate collection facilities. Contact your

local government for information regarding the collection systems available. The device is not suitable for use in the presence of flammable anesthetic mixtures with air or with oxygen or nitrous oxide. The device requires no calibration. The device is not repairable and contains no user-serviceable parts. No modification of this equipment is allowed. Remove batteries if the equipment is not likely to be used for some time. The user must check that the equipment functions safely and see that it is in proper working condition before use. The manufacturer does not require such preventive inspections by other persons. The ear thermometer is used only for testing, it cannot replace a doctor. Please do not use the thermometer in other ways except to measure body temperature. When using on children, please observe the general safety precautions. Please do not dismantle, re-assemble or drop the ear thermometer. Incorrect usage of battery may cause damage. Please do not re-charge or dismantle the battery or throw the battery into fire. Please deal with the battery according to related local regulations. Please don't operate the product out of operating conditions or out of the operating temperature range, as it may cause measurement value anomaly or malfunction. Please don't bite, throw, fold, pull or cause strong impact on the device, as it may cause failure while measuring.

Please don't measure if you have auricle inflammation or otitis media, as it may aggravate the inflammation. Keep battery cover or sensor head covers away from Children

CAUTION

Please do not dip the device into water or other liquids. When cleaning and disinfecting, please follow the cleaning and storage section in the manual. Keep the device away from direct sunlight and store dry and in dust-free environment. Ideally within storage temperature range of -20 °C - +55 °C (-4 °F - +131 °F). Please do not use if the sensor or product is broken. If the device is broken, please do not repair it by yourself, contact your nearest customer service center. Ear wax residue may lead to inaccurate low-temperature readings, so please make sure the ear is cleaned prior to use in order to ensure more precise / accurate results. Before taking temperature readings please make sure the sensor mirror is clean. If there's any dirt, please clean it with alcohol cotton swab before use. The device is made of precision parts. Do not drop it, and protect it from strong impact. Please don't twist the device or sensor. Please clean the thermometer sensor after use, to ensure the measurement accuracy and avoid cross-infection. Please don't add any protective sleeve to the sensor or the measurement result will be incorrect. Please read the manual carefully before using the

device, and keep it in a safe place. To make sure the measurement result is accurate, please wait at least 30 seconds after measuring each time, before you measure again. After cleaning the sensor head with alcohol, it is recommended to leave the device for a few minutes until the alcohol volatilizes and for the sensor head to return to its normal temperature. Because babies are slower at adapting to temperature changes in the environment, if drastic temperature changes are observed, it is best to wait a few minutes in the same environment until the baby's body temperature becomes stable before taking any temperature readings to ensure the most accurate results. When using the device, take temperature readings from the same ear, because the temperature of the left and right ear is different. It is recommended to take 3 temperature readings and reference the highest recorded measurement for babies between 3 months to 3 years of age, or for first time users of the device. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment

off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

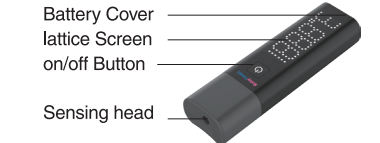
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure

The equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This device should be installed and operated with minimum distance 0mm between the radiator & your body.

I. Product Information

1. Product appearance



2. Lattice screen display instructions



Light Indicator Description	Status
Fully display	Boot, self-test
The surrounding dot matrix flashes once	Bluetooth is connecting
Standby state	Forehead /Ear measurement mode
H	The measured temperature exceeds the measurement range
L	The measured temperature is lower than the measurement range
EH	Ambient temperature is too high
EL	Ambient temperature is too low
Err	Sensor error, please return to the factory for repair
Display LOL and turn off after 15S flashing	Low battery

II. Product Specifications

Product name	Duo Mode Infrared Thermometer
Model No.	TE-91
Measurement range	32.0 °C-43.0 °C (89.6 °F-109.4 °F)
Accuracy:	34 °C-43 °C, ±0.2 °C 32 °C-33.9 °C, ±0.3 °C
Resolution	0.1 °C/0.1 °F
Unit	°C/°F (default unit is °C)
Measurement time	1S
Interval measurement time	3S
Communication method	Bluetooth 4.2
Operating Voltage	DC3.0V
Low battery parameters	2.6±0.15V
Working current	<120ma
Stand-by current	<25uA
Working Environment	Temperature: 5 °C ~ 40 °C Relative humidity: 80% RH
Storage environment	Temperature: -20 °C ~ +55 °C Relative humidity: 93% RH
Battery	2xAAA
Battery life	Two years with two AAA (LR03) batteries
The number of operations	500
Expected Service Life	Five years from the date of production

III. Specified atmospheric conditions

Temperature/°C	23±2
Relative humidity/%	60±15
Atmospheric pressure	860 hPa ~ 1060 hPa (645 mmHg ~ 795 mmHg)

IV. Product features

- Temperature unit conversion: °C / °F (default is in Celsius °C).
- High temperature alarm function
When low fever is detected (37.2~37.4 °C / 99.0~99.3 °F), the device will vibrate twice, with the splash screen flashing on and off at 1 second intervals
When high fever is detected (37.5 °C / 99.5 °F), the device will vibrate three times, with the splash screen flashing on and off frequently at 0.5 second intervals
- User memory log for storing recent forehead and ear temperature readings. The device stores 12 readings in each mode (forehead / ear), with unlimited storage in the BabyTempDuo APP.
- Connect your phone to Bluetooth to view historical data on the BabyTempDuo App.
- Automatic power-off.
- Automatic switching between forehead and ear thermometer modes through probe cover sensors.

V. USER INSTRUCTIONS

1. Taking the measurement

- **Forehead temperature mode:** The thermometer is in forehead temperature mode by default when the probe cap is on. Simply press the button to power on the device and automatically connect to Bluetooth. After about 2 seconds, the dot matrix screen displays "FOR" and enters the standby state. It will display the selected unit of temperature measurement (°C / °F) to inform the user before taking the reading. To take temperature measurement, touch the user's forehead with the probe, then press the button. Wait for 1 second after releasing the button, until you feel a gentle vibration indicating that the measurement is complete and that the results are ready. Check the Baby Temp APP or LED display for the latest temperature reading. When left unused for 30 seconds after each reading, the device will automatically shut down.
- **Ear temperature mode:** Take off the probe cap to activate ear temperature mode. Press the button to power on the device and automatically connect to Bluetooth. After about 2 seconds, the dot matrix screen displays "EAR" and enters the standby state. It will display the selected unit of temperature measurement (°C / °F) to inform the user before taking the reading. To start taking temperature measurement, fit the probe tip into the ear canal and then press the button. Wait for 1 second after releasing the button, until you feel a gentle vibration indicating that the measurement is complete and that the results are ready. Check the Baby Temp APP or LED display for the latest temperature reading. When left unused for 30 seconds after each reading, the device will automatically shut down.

Note:

- In order to avoid inaccurate results due to extreme cold or hot environments, the device must be placed in an environment within the temperature range of 5 °C ~ 40 °C / 41 °F ~ 104 °F for at least 30 minutes before use.
 - It is recommended for users to stay in the same room (where he/she will take the temperature reading) for at least 20 minutes to stabilize the body temperature before measuring for the best results.
 - After strenuous exercise, take a rest for at least 30 minutes before taking temperature reading.
 - Keep your ears and forehead clean and dry before taking temperature readings.
 - Wait 3 seconds interval between each measurement.
2. Unit conversion
- When the device is powered off, hold the button for 5 seconds. It will display --- °C. Then press the button again to switch into --- °F.

3. Memory access

- **Memory log access on the device.**
Press and hold the power button in standby mode for about 4 seconds, the screen will display For/Ear, you can press the button to make a selection. The device memory can store up to 24 readings. 12 readings for each forehead and ear temperature modes.
- **Memory log access on the APP.**
Connect your phone to the APP through Bluetooth. And then view historical data on the APP.

4. Replace the batteries.

This device uses 2 AAA batteries. When the screen displays "LOL", it indicates that the battery is low. Please replace the battery as follows:

- Push the battery cover at the bottom of the device in the direction indicated by the arrow.
- Take out the old batteries and install the new batteries correctly according to the positive "+" and negative "-" of the battery.
- Close the battery cover. If it is not used for more than 3 months, remove the batteries to prevent the battery liquid from flowing out.

5. Cleaning instructions.

- The sensor head is the most important part of the device, and the front mirror is fragile. The sensor head can be cleaned with a cotton swab or soft cloth with alcohol / warm water.
- Keep protective cover on when not in use and avoid dust as well as direct sunlight. It is important to store the thermometer under suitable conditions to maintain its efficacy. Ideally stored in room temperature with no more than 90% relative humidity.

VI. Included Contents:

2x AAA batteries, Instruction manual and 1 smart Infrared duo mode (ear & forehead) thermometer.

VII. CLASSIFICATION

- Internally powered equipment;
- Type BF applied part: Probe;
- IP22;
- Not category AP / APG equipment;
- Mode of operation: continuous operation.

VIII. Additional Information

non-toxic, No Stimulation, No sensitization adverse reaction for the user during the test.

Warranty:

Limited one-year manufacturer's warranty to replace defective products.

The following situations are not included in warranty:

- problem caused by self-dismantling
- problem caused by power fluctuation during use or delivery.
- problem caused by incorrect maintenance
- problem caused by incorrect use/operation of the device.
- problem caused by repair from service providers that have not been authorized by the manufacturer.

A proof of purchase will be required when requesting claim for warranty.

- User Assistance Information:

BabyTemp Duo APP Instructions:

Download the BabyTemp Duo APP with the matching icon shown on the right on Google Play or Apple Appstore, or follow the below link by scanning the QR code or enter the URL into your web browser for more information.



<https://www.babydoppler.com/duosmartapp.html>

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