



Contactless
Infrared Thermometer
AD801



User Manual

www.zebronics.com

Scope of Application:

Used by families and medical departments when measuring body temperature

Precautions:

- Please read this manual carefully before use, and make sure the battery is installed
- It is forbidden to immerse the forehead temperature gun in a liquid, and is forbidden to use it in an excessively high or low temperature environment a long time.
- It is forbidden to collide, fall, mix with sharp objects, and dismantle by yourself.
- Do not use in strong electromagnetic interference environment
- Put the forehead temperature gun out of the reach of children.
- The measurement results can't replace the doctor's diagnosis.

Features:

- Contactless infrared Thermometer
- Easy to use device with Large LCD Display
- High Temperature Indication
- Intelligent 3 color backlight prompt to identify fever
- High Accuracy & Rapid Operation

Product Performance, Major Structural Components

Specifications

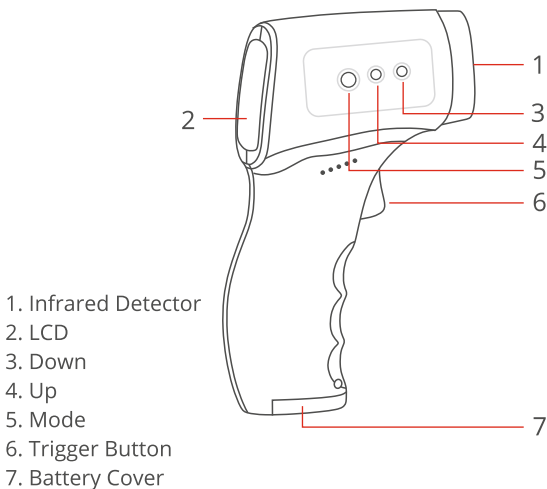
Measurement mode	: Non-Contact
Display size	: H 28.1mm, W 25.3mm +/- 0.2 mm.
Range of measurement	: 34°C - 42°C
Measuring distance	: 3cm - 5cm
Measuring time	: 1s
Accuracy	: $\pm 0.2^{\circ}\text{C}$
Memory data	: 32 sets
Relative humidity	: $\leq 85\%$
Barometric pressure	: 70kPa - 106kPa
Auto Shutdown	: 30s
Operating ambient temperature	: 16°C - 40°C
Power Source	: DC 3V (AAA battery x 2)
Product Dimensions	: 43 x 77 x 149 mm (W x D x H)
Product Weight	: 110g (without battery)



Function:




This product measures the body temperature by collecting the infrared thermal radiation from the human forehead. Its operation is simple and sanitary, and its measurement is fast and accurate. The user only needs to point the detector head at the forehead and press the trigger button. In one second, the user can quickly and accurately measure the body temperature, which can be used by families and medical departments.

Installation and Usage Instructions



Instructions for Use:

Display Icon Definition:

Icon definition	Icon	State description	
Electricity Indication		Display	The battery power is low and can only work for a short time. Please replace the battery.
		Display and flashing	The battery power is too low to work properly. Please replace the battery immediately.
		No Display	Full charged.
Tone		Display	Buzzer sound on, with prompt sound.
		No Display	Buzzer sound off, no prompt sound.
Temperature measurement mode	Body Temp	Body temperature measuring mode.	
	Object Temp	Object surface temperature measuring mode.	
Display Unit	°C	Celsius temperature.	
	°F	Fahrenheit temperature.	
Display value		It will show the measured temperature information.	
Memory symbol	Log	Display value in memory value and group number	

Mode button	Menu	Function	Up button	Down button
Long press (from main menu)	F1	Adjust temperature	Increase value	Decrease value
Short press (from F1)	F2	Adjust maximum temperature alert	Increase value	Decrease value
Short press (from F2)	F3	Change temperature unit (°C/°F)	Change unit (°C/°F)	Change unit (°C/°F)
Short press (from F3)	F4	Tone On/Off	Tone On	Tone Off

Switch Between Body and Object Temp:

Short press the Mode button to switch between body temp and object temp.



Check Previously Measured Temperature:

Short press the **Up/Down** button to check previously measured temperature.

Adjust Temperature:

Long press the **Mode** button to enter F1 setting visible on display. Use the **Up** and **Down** buttons (short press) and adjust the temperature value gradually.

Adjust Maximum Temperature Alert:

From main display, long press the **Mode** button to enter F1 setting, now short press the **Mode** button to enter F2 setting. Short press the **Up/Down** buttons to increase or decrease the maximum temperature alert.

(By default, the maximum temperature alert is set at 38°C. You can either decrease till 37°C or increase till 39°C, gradually. If the temperature reaches the specified value, an alert will be notified.

(°C); to (°F) <> (°F) to (°C)

From main display, long press **Mode** button to enter F1 setting, short press **Mode** button to enter F2 mode and repeat short press again to enter F3 setting for (°C)(°F) adjustment. Now short press **Up/Down** button to change (°C)(°F) unit.

Tone On/Off:

Enter F4, then short press **Up/Down** button to On or Off the tone. This can be identified with icon on display.

Note:

** Power ON the display with the trigger button and then proceed for the temperature measurement.*

** Adjust temperature option is recommended to be done only when required. It is not advised to change the values unnecessarily, as it can affect the measurement values.*

** Confirm that the measurement mode above the screen is body temperature mode (non object temperature mode).*

** Align the forehead temperature gun probe with the middle of the forehead and keep it vertical, with a distance of about 3-5 cm. Press the trigger button to start the measurement. After about 1 second, the screen display the measurement value.*

When $34.0^{\circ}\text{C} \leq T \leq 37.3^{\circ}\text{C}$:

Bright Green Backlight.

When $37.4^{\circ}\text{C} \leq T \leq 38.0^{\circ}\text{C}$:

Bright Yellow Backlight.

When $38.1^{\circ}\text{C} \leq T \leq 42.5^{\circ}\text{C}$:

Bright Red Backlight.

When $T < 34.0^{\circ}\text{C}$:

Bright Green Backlight & Displays 'Lo'.

When $T > 42.5^{\circ}\text{C}$:

Bright Red Backlight & Displays 'Hi'.

Warm Tips:

1. Before and after use, please keep the sensor and probe cavity clean.
2. Please place the forehead temperature gun in a temperature stable environment for use. When ambient temperature changes greatly (eg. from indoor to outdoor), please place for about thirty minutes after measurement.
3. Do not begin to measure body temperature immediately after measuring the temperature of an object at very high or very low temperature. Please place it for ten minutes.
4. When the measurement object comes from a place that is quite different from the measured ambient temperature, it should stay in the test environment for at least five minutes.
5. Try not to measure in the forehead blowing, drenching water, sweating, coating, smear cosmetics, etc.

Object Surface Temperature

Measurement:

- Adjust the temperature measurement mode to the object temperature.
- Aim the thermometer probe at the

measuring target and keep it vertical, the distance is about 3-5 cm press the measuring key, display the temperature after about 1 second, or device will turn off automatically after 30 seconds.

Warm Tips:

1. The range of measurement of the temperature measurement mode of the object 0°C-100°C.
2. This function measures the object surface temperature and does not represent the object core temperature.
3. The emissivity of different materials may be different (refer to the emissivity of materials), and the measured temperature will deviate slightly from the actual temperature.
4. When the measured value is less than 0°C, bright red backlight, display 'Lo'.
5. When the measurement is higher than 100°C, bright red backlight, display 'Hi'.

Product Maintenance and Maintenance Methods:

- Because the product is a reusable device, please pay attention to the cleaning process after use.
- Please keep the inner cavity of sensor and probe clean, otherwise it will affect the measurement accuracy.
- Surface cleaning: wipe dirt with clean soft

cloth or cotton stick with a little medical spray.

- Cleaning inner cavity of the sensor and probe: gently wipe the inner cavity of the head or the top of the sensor with a clean soft cloth or cotton stick with a little medical sprinkler. When the alcohol is completely volatile.

Storage Conditions, Methods:

Device must be kept clean and kept in dry place. Don't put the electronic forehead temperature gun in a place with electric shock. Do not store the electronic forehead temperature gun in an extreme temperature environment above 55°C or below -10°C and humidity above 85%.

Transport Conditions, Methods:

The transportation process should prevent rain, heavy fall and so on, can not be transported in the extreme temperature environment above 55°C or below -10°C humidity above 85%.

