

5. Capable of storing 32 sets of measurement data

6.3 colors backlight LCD digital display (Red, Orange, Green)

8. Providing the function of auto shutdown to save electric power.

10. Selecting the body temperature measurement mode to measure the

temperature of any object with its temperature less than 100°C and its emissivity

9. Small size, reasonable structure and convenient operation.

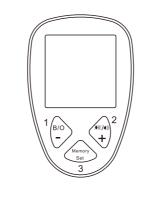
equal to 0.95.

7. Providing two temperature modes, i.e., Fahrenheit scale and Celsius scale, for

Measurement method	Non-contact		
Effective distance	5cm~15cm		
Range	Body	32.0 ℃ ~42. 9℃ (85.9°F~109.2°F)	
	Object	0°C ~100°C (32°F~212°F)	
Accuracy	Body	±0.2°C/0.4°F	
7.0001.009	Object	±1.0℃/1.8°F	
Resolution	0.1℃/°F		
Working condition	10℃~40℃ (50°F ~104°F) Rh≤80% Non-condensing		
Storage condition	-25℃~55℃ (-13°F~131°F) RH≤90%Non-condensing		
Power supply	d.c. 3V 2 AA alkaline Battery		
Power consumption .	When off≤10uW		
	When measurement≤30mW		
Power level indicator	Indication for low power level		
Memory	Automatic recall of 32 memories		
Display	LCD back-lit display		
Reading scale	Celsius or Fahrenheit In 10 seconds		
Automatic shut off			
Dimensions	86mm×160mm×46mm		
Net weight	169g		
Standards	EN60601-1、EN 12470-5、 ASTM 1965-98		

5.Illustration 6. Function definition of all icons 1.Laser sight 6. Memory inquiry or Advanced setting 2.IR Sensor 3.LCD Display 8. Handle 4.Body/Object mode or Minus 9.Battery Cover 5.C/F mode or Add Battery level -/+ Laser Bodytemp Bodymode bject temp Object mode Reading display M

7. Function definition of all buttons



No. Buttons		Description	
1	B/O -	B/O Multifunction button, press shortly to switch measurement mod between human body and object	
2	***/*** +	Multifunction button, press shortly to turn on/off beeper or voice	
3	Memory Set	Multifunction button, uses with button 1 and button 2 press it shortly to inquiry memory data, press testing button to exit press it for 3 seconds, it enters in advanced setting, uses with button 1 and button 2 as part 7.	

8.Setting

Menu	Function	″-″	"+"	Default	Remarks
F-1	Deviation value setting	Decrease 0.1℃	Increase 0.1℃	0.0℃	object mode is useless
F-2	Alarm value setting	Decrease 0.1℃	Increase 0.1℃	38℃	Effective range: ±3℃
F-3	Reading scale setting	$^{\circ}$	°F	℃	Beeper on/off
F-4	Backlight setting	On	Off	On	Off
F-5	Laser setting	On	Off	Off	only when the laser head is installed

The battery is in low lever, but the

thermometer is functional properly Please replace battery asap

The battery is exhausted and the -mometer can not function properly. Please replace battery immediately

Battery power is sufficient

Laser off (when the machine installed laser head)

When it is

When it is

invisible

Celsius reading

Fahrenheit reading

Temperature value

Beeper on / Voice on

Beeper off / Voice off

1. Temperature under human body mode is obtained from dynamic compensation of environmental temp and forehead surface temp. 2. Object temperature mode is to test surface temperature of an object. The temperature get from forehead under this mode is merely temperature of forehead surface but not body temperature. to 3.0°C according to testing distance, surrounding temperature, skin difference, etc. Defaulted value is 0.0°C.



⚠Notice:

9.1 Body temperature

9.Measurement

- Press measurement button to turn on thermometer and it displays boot screen (fig.9.1). After POST and two beeps, it will display value of room temperature and be ready for measurement (fig.9.2).
- Make sure the thermometer is under body mode.
- Keep distance at 50mm to 150mm from upper eyebrows to the probe (fig.9.3). Press measurement button and when it gives a "beep" measurement is finished and value will be displayed (fig.9.4). If measurement value is exceeding alarm value (Defaulted
- After measurement, if the thermometer is idle in 20 seconds, it will display "OFF" (fig.9.5) and gives a "bi" and shut off automatically.

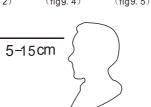


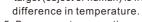


(fig9. 3)









- 1. Keep the sensor and probe cavity clean before and after use. 2. To ensure the accuracy of measurement, it is recommended to start measurement after ten minutes when carrying the thermometer to a new environment.
- 3. Wait for 10 minutes to measure body temperature after measuring extremely high temperature or extremely low temperature objects.
- 4. Wait for 5 minutes to start a measurement when a measuring target (object or human) is from an environment with enormous
- 5. Breeze, water, sweating, cosmetic on forehead may affect measurement. Do not measure body temperature in 30 minutes after exercise, bath or meals.

9.2 Object temperature

- Press measurement button to turn on thermometer (fig.9.6). • After measured room temperature make sure the thermometer is under object mode. (fig.9.7). (fig.9.8)
- Keep vertical distance at 50mm to 150mm from object to measu -rement probe. Press measurement button and when it gives a "bi..." measurement is finished and value will be displayed
- After measurement, if the thermometer is idle in 30 seconds, • it will display "OFF" (fig.9.9) and gives a "beep" and shut off automatically.











- **⚠**Notice: 1. The value under this mode is object surface temperature instead of core temperature.
- 2. The defaulted infrared emissivity is 0.95. The reading will be deviated from the real temperature according to different emissivity. For example, the reading on stainless steel will be obviously lower than real temperature. BE CAUTIOUS FOR SCALDING.

9.3 Exceeding measurement range

Body mode:

When measurement value is lower than 32.0°C, it displays Lo

(fig9.10) and gives "beep.beep.beep" When measurement value is higher than 42.9 °C, it displays Hi

(fig9.11)and gives "bi.bi.bi.bi". Object mode:

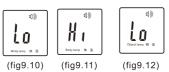
When measurement value is lower than 0°C, it displays Lo

(fig9.12) and gives "beep.beep.beep". When measurement value is higher than 100.0 °C, it displays

Hi (fig9.13)and gives "bi.bi.bi.bi".

△Notice:

When surrounding temperature is lower than 10.0°C or higher than 40.0°C, it displays Err. It's not allowed to measure or accuracy is not assured.

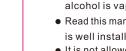












the casing.

- Read this manual book thoroughly before use. Make sure battery is well installed.
- It is not allowed to put the thermometer in any liquid or expose
- to strong sunlight or extremely low temperature.
- Strong crash or hit to the product will cause its damage.
- Do not dismantle this thermometer by yourself.
- Keep the thermometer from children's reach.

period. Don't put the battery to fire.

2. Dispose battery according to local regulations.

affect accuracy. Cleaning method for probe:

10.Battery replacement

correct (see fig.9.1).

11. Maintenace & tips

• Open the battery lid and take out exhausted battery.

• Put into 2 AA alkaline batteries and close up battery lid. After

new battery is installed, thermometer will give "Beep. Beep".

If there's no beeps, check if the positive and negative pole is

1. Take out battery in case the thermometer is not used for long

• Make sure the sensor and probe cavity is clean otherwise it will

1.Use the cotton stick or soft cloth with water or alcohol to wipe

2. Use the cotton stick or soft cloth with alcohol to wipe the sensor

surface or probe cavity gently. Don't use thermometer before





- Do not use the thermometer under circumstance of strong electromagnetic interfere.
- The measurement results are probably fluctuating due to improper measurement ways. Please practice adequate measurements in order to improve your skill.
- The measurement results can not supersede a doctor's diagnosis. • Special maintenance is unnecessary for this thermometer. Please
- contact distributor or manufacturer in case of malfunction.

12.Trouble shooting

Description	Solutions
LCD display "LO"or"HI"	1.Breeze, water, sweating, cosmetic on forehead may affect measurement. 2.Check deviation value setting. Defaulted value is 0.8°C. 3.While if the testing environmental temp changes so enormously or if the thermometer is used directly from high-temp object to very low-temp one, the measurement difference will happen. The thermometer should be kept in a relative stable environment for 10 minutes to get heat balance before starting a new measurement. 4.Ensure measurement distance is 5cm to 8cm.
No response when pressing measurement button	1.Take out and reassemble battery. 2. Check if the thermometer is under menu setup In procedure of menu setting, thermometer is unable to measure and therefore no response.
No display or improper display	1.Take out battery and install battery again.
No beeper	1.Check if the beeper is switched off.
Shut off right after switching on	Check battery level or take out and install the battery again.

