



INSTRUCTION Manual

Overview

This digital thermometer provides quick and accurate reading of a human body temperature. The thermometer is intended to measure the body temperature orally, rectally or under the armpit. This device is reusable for clinical or home use, on people of all ages. To better understand its functions and to ensure reliable results, please read the instruction manual.

Operation Guide

1. Press the power button next to LCD display. A tone will sound as the screen shows **18.8.8.8**, followed by the last recorded temperature. Once °C icon starts blinking, the thermometer is ready to measure.

Position thermometer in the desired location (mouth, rectum or armpit).

- a) Oral Use: Place thermometer under tongue as indicated by "✓" (shown in Figure 2). Close your mouth and breathe evenly through the nose.



Figure 2

- c) Rectal Use: Lubricate silver probe tip with petroleum jelly for easy insertion. Gently insert sensor approximately 1cm (less than 1/2") into rectum.

- d) Armpit Use: Dry the armpit. Place the probe under the armpit and keep the arm firmly pressed by the side. Please note that this method is not as reliable and provides inaccurate readings. This method should not be used if precise measurements are required.

2. The °C icon will blink throughout the measurement. The duration of measurement depends on the location of application (shown in Figure 3). Once the blinking stops, an alarm will ring for 10 seconds and a reading will appear on the LCD.



Figure 3

The fever alarm (bi-bi-bi---bi-bi-bi---) will ring when the measured temperature is more than or equals to 37.8°C (shown in Figure 4). Consult your doctor for interpretation of results.

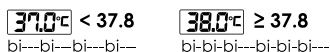


Figure 4

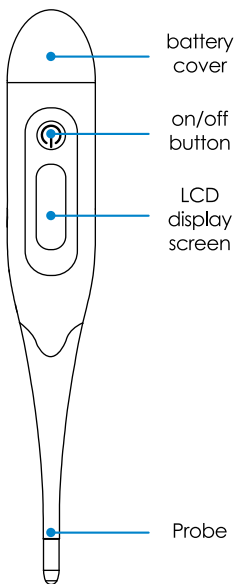
3. To prolong battery life, press the Power Button to turn off thermometer after measurement. If no action is taken, the unit will shut down automatically after 10 minutes.

Contents

- 1 Thermometer
- 1 Instruction Manual
- 1 Storage Case

Product Diagram

Figure 1



°C/°F Switchable

Temperature readings are available in the Celsius or Fahrenheit scale (°C/°F), as indicated in the upper right corner of LCD. When thermometer is switched off, press and hold the Power Button for 3 seconds to change the current setting.

Cleaning & Disinfection

Wipe the thermometer with a soft clean cloth. For stubborn stains, wipe the thermometer with a cloth that has been dampened with water or a neutral detergent solution. Dry with a soft dry cloth. For disinfection, 75% Ethanol or Isopropyl alcohol may be used.

Please **DO NOT** use the following methods, to avoid damaging the thermometer:

- Use benzene, thinner, gasoline or other strong solvents to clean the thermometer.
- Ultrasonic washing to clean the thermometer.
- Disinfect the sensing section (tip) of the thermometer by immersing in alcohol or in hot water (over 50°C (122°F))

Troubleshooting

Error Message	Problem	Solution
Lo	Temperature taken is lower than 32.0°C (90.0°F)	Turn off, wait one minute and take a new temperature, following the usage directions.
Hi	Temperature taken is higher than 42.9°C (109.9°F)	Turn off, wait one minute and take a new temperature, following the usage directions.
Err	The system is not functioning properly.	Unload the battery, wait for 1 minute and repower it. If the message reappears, contact the retailer or manufacturer for service.
	Dead battery: Battery icon is flashing.	Replace the battery.

Battery Replacement

1. Replace battery when " " appears in the lower right corner of LCD display.
2. Pull battery cover off as shown in Figure 5.
3. Gently pull out plastic circuit board with battery chamber by approximately 1 cm (slightly less than 1/2"). (See Figure 6)
4. Use a pointed object such as a pen to remove the old battery. Discard the battery lawfully. Replace with a new 1.5V DC button type LR41 or SR41, or equivalent. Be sure battery is installed with "+" polarity facing up. (See Figure 7)
5. Slide battery chamber back into place and attach cover.



Figure 5



Figure 6



Figure 7

Calibration

The thermometer is calibrated at the time of manufacture. If the thermometer is used according to instructions, periodic readjustment is not required. However if clinical accuracy of the thermometer is in question, please send the complete device to the retailer or manufacturer for service.

The above recommendations do not supersede the legal requirements. The user must always comply with legal requirements for the control of the measurement, functionality, and accuracy of the device which are required by the scope of relevant laws, directives or ordinances where the device is used.

Caution

- ⚠ Read the instructions thoroughly before using this digital thermometer.
- ⚠ Choking Hazard: Thermometer cap and battery may be fatal if swallowed. Do not allow children to use this device without parental supervision.
- ⚠ Do not use thermometer in ears. Only use it for oral, rectal, and armpit (axilla) only.
- ⚠ Note: Use of the probe cover may result in a 0.1°C (0.2°F) discrepancy from actual temperature.
- ⚠ Remove thermometer battery from thermometer when not in use for an extended period of time.
- ⚠ Do not take measurements when the thermometer is wet to avoid inaccurate readings.
- ⚠ Do not bite the thermometer to avoid breakage and/or injury.
- ⚠ Do not disassemble or repair thermometer. Doing so may result in inaccurate readings.
- ⚠ Use of temperature readings for self-diagnosis is dangerous. Consult your doctor for interpretation of results. Self-diagnosis may worsen the conditions.
- ⚠ After each use, disinfect thermometer when the thermometer is shared.
- ⚠ Do not force thermometer into the rectum. When in pain, stop insertion and abort the measurement. Failure to do so may lead to injury.
- ⚠ Do not use thermometer orally after being used rectally.
- ⚠ For children who are two years old or younger, do not use the thermometer orally.
- ⚠ If the unit has been stored at temperatures over 40°C (104°F), leave it in ambient temperature, 5°C~40°C (41°F~104°F), for 15 minutes before using it.


Disclaimer

*The performance of the device may be degraded due to the following reasons:

- Operation outside the manufacturer's stated temperature and humidity range.
- Storage outside the manufacturer's stated temperature and humidity range.
- Patient temperature is below ambient temperature.

*Portable and mobile RF communications can affect the device. The device needs special precautions regarding EMC. Consult the manufacturer for details.

Specifications

Type	Digital thermometer (not predictive)
Measure Range	32.0°C~42.9°C (90.0°F~109.9°F)
Accuracy	±0.1°C 35.5°C~42.0°C (±0.2°F 95.9°F~107.6°F); ±0.2°C under 35.5°C or over 42.0°C (±0.4°F under 95.9°F or over 107.6°F)
Operating Mode	Direct mode
Display	Liquid crystal display
Memory	For storing the last measured value
Battery	One 1.5 V DC. button battery (size LR41 or SR41, or equivalent)
Battery Life	Approx. 200 hours of continuous operation or 1 year with 3 measurements per day
Dimension	13.9cm x 2.2cm x 1.2cm (L x W x H)
Weight	Approx. 12 g including battery
Expected Service Life	Three years
Ambient Operating Range	Temperature: 5°C~40°C (41°F~104°F) Relative humidity: 15%~95%RH Atmospheric Pressure: 700hPa ~ 1060hPa
Storage & Transportation Condition	Temperature: -20°C~55°C (-4°F~131°F) Relative humidity: 15%~95%RH Atmospheric Pressure: 700hPa ~ 1060hPa
Ingress Protection Rating	IP 27
Classification	Type BF 

This appliance conforms to the following standards:

EN 12470-3 Clinical thermometers — Part 3: Performance of compact electrical thermometers (non-predictive and predictive) with maximum device,

ISO 80601-2-56 Medical electrical equipment — Part 2-56: Particular requirements for basic safety and essential performance of clinical thermometers for body temperature measurement,

EN 60601-1-11 Medical electrical equipment — Part 1-11: General requirements for basic safety and essential performance – Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in home healthcare environment and complies with the requirements of EN 60601-1-2(EMC), IEC/EN60601-1(Safety) standards.

The manufacturer is ISO 13485 certified.

Warranty Terms & Conditions

(www.bionmedicalgroup.com/warranty)

- Product is entitled to 2 years off-site warranty coverage against manufacturing defects from the date of purchase, **with the original invoice/receipt as proof of purchase.**
- This warranty does not cover damages or defects arising from accident, misuse, mishandling, improper installation, any manner of tampering, usage of wrong electrical supply/voltage, corrosion/fungus, rusting or stains, any unauthorized repair or modification to the product, act of God, fire, civil unrest and consequential damages.
- This warranty does not cover normal wear and tear.
- Batteries are not covered under this warranty.
- This warranty shall be null and void in the event that the serial number on the product has been altered or removed.

Other Information

Product of:

BION ADVANCE PTE. LTD.

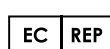
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Disposal of this product and used batteries should be carried out in accordance with the national regulations for the disposal of electronic products.



The product is in compliance with the requirements of MDD 93/42/EEC, "0197" is the identification number of notified body.