

## MCP Bio-1

# MCP Bio-1 Infrared Digital Thermometer User Manual

Model: Bio-1

## 1. INTRODUCTION

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Thank you for choosing the MCP Bio-1 Infrared Digital Thermometer. This device is designed for safe, non-contact temperature measurement of the human body (forehead) and various objects. It provides quick and accurate readings, making it suitable for use with infants, children, and adults. Please read this manual thoroughly before use to ensure proper operation and to maintain the device's accuracy and longevity.



Image: The MCP Bio-1 Infrared Digital Thermometer is designed for convenient use with all ages, including children.

## 2. SAFETY INFORMATION

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- This thermometer is intended for non-contact measurement of body and object temperatures.
- Do not immerse the device in water or other liquids.
- Keep the device away from direct sunlight and extreme temperatures.
- Avoid dropping the thermometer or subjecting it to strong impacts.
- Do not attempt to disassemble or repair the device yourself. Contact qualified service personnel.
- Ensure the measurement distance is maintained as specified to achieve accurate readings.

- The device meets CE specifications for safety and performance.

### 3. PRODUCT OVERVIEW

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The MCP Bio-1 is a handheld, non-contact infrared thermometer featuring a clear LCD display with a tri-color backlight. It offers multiple modes for measuring forehead and object temperatures, along with convenient functions like unit conversion and memory recall.



Image: Key features of the MCP Bio-1 thermometer, including forehead/object mode, °F/°C conversion, mute/unmute, and 35 sets of memory recall.

#### Components:

- Infrared Sensor
- LCD Display
- Measurement Button
- Mode/Memory Button
- Sound On/Off Button
- Battery Compartment

### 4. SETUP

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#### 4.1. What's in the Box

- 1 x MCP Bio-1 Infrared Digital Thermometer

#### 4.2. Battery Installation

1. Locate the battery compartment cover on the handle of the thermometer.
2. Gently slide or open the battery compartment cover. Note that it may require a firm push to open.
3. Insert two (2) AAA batteries, ensuring correct polarity (+ and -) as indicated inside the compartment.

4. Close the battery compartment cover securely.

The thermometer requires 2 AAA batteries for operation.

## 5. OPERATING INSTRUCTIONS

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### 5.1. Powering On/Off

Press the measurement button to turn on the thermometer. The device will automatically shut off after 8-10 seconds of inactivity to conserve battery life.

### 5.2. Taking a Temperature

1. **Select Mode:** Ensure the thermometer is in the desired measurement mode (Forehead or Object). Press the 'Mode' button to switch between modes.
2. **Position the Thermometer:** For forehead temperature, hold the thermometer 1 to 2.5 inches (3-7 cm) away from the center of the forehead. For object temperature, point it at the desired object.
3. **Take Measurement:** Press the measurement button. The reading will appear on the LCD screen within 2 seconds.

The thermometer maintains measurement accuracy within 0.3°C (0.54°F) in various environments.



Image: The non-contact design allows for hygienic temperature measurement from a safe distance.

### 5.3. Temperature Modes and Ranges

- **Forehead Mode:** Measures human body temperature between 32°C and 42.9°C (89.6°F and 109.2°F).
- **Object Mode:** Measures object temperature between 0°C and 93°C (32°F and 199.4°F).

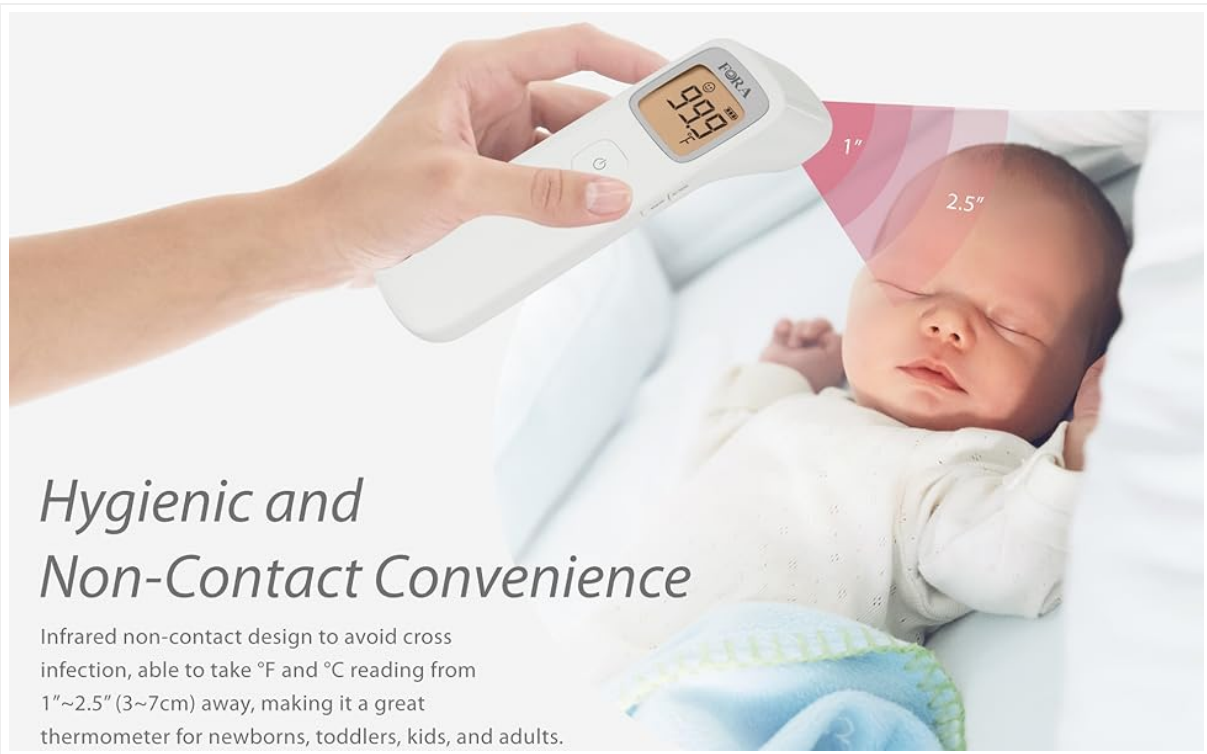


Image: The thermometer supports multiple uses, including measuring forehead temperature, milk temperature, and room temperature.

#### 5.4. Temperature Unit Conversion (°C/°F)

While the device is on, press and hold the 'Mode' button for a few seconds to switch between Celsius (°C) and Fahrenheit (°F) units.

#### 5.5. Memory Recall

The thermometer can store up to 20 temperature readings. To recall past measurements, press the 'Mem' button. Each press will cycle through the stored readings.

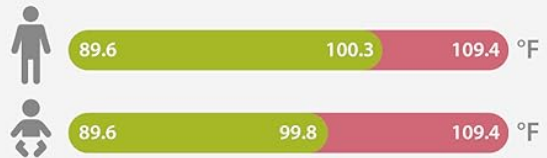
#### 5.6. Backlight and Fever Alert

The LCD display features a tri-color backlight that changes based on the measured temperature, providing a visual indication of fever:

- **Green:** Normal temperature.
- **Orange:** Elevated temperature (e.g., for child mode, >99.8°F/37.6°C).
- **Red:** High temperature/Fever alert (e.g., for adult mode, >100.4°F/38°C). A warning symbol may also flash.



## Easily switch between Adult & Child Temperature Modes



Adult Mode: When a reading is greater than 100.4°F (38°C), a warning symbol will flash with Red backlight.  
Child Mode: Red backlight with a warning symbol indicates a reading greater than 99.8°F (37.6 °C).

Image: The tri-color backlight display provides a quick visual cue for temperature status.

### 5.7. Adult and Child Temperature Modes

The device allows for switching between adult and child temperature modes, which may have different fever alert thresholds.



Image: The thermometer can be switched between Adult and Child temperature modes, each with specific fever alert settings.

### 5.8. Mute/Unmute Function

Press the 'Sound' button to toggle the measurement sound on or off, useful for quiet environments.

## 6. MAINTENANCE AND CARE

- **Cleaning:** Wipe the thermometer clean with a soft, dry cloth. Do not use abrasive cleaners or immerse in water.
- **Storage:** Store the device in a cool, dry place, away from direct sunlight and extreme temperatures.

- **Battery Replacement:** Replace batteries when the low battery indicator appears on the display. Dispose of used batteries responsibly.

## 7. TROUBLESHOOTING

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- **Inaccurate Readings:** Ensure the thermometer is held at the correct distance from the measurement surface. Check for obstructions on the sensor. Allow the thermometer to acclimatize to room temperature for 15-30 minutes if moved from a significantly different environment.
- **Display Not Working:** Check if batteries are inserted correctly and have sufficient charge. Replace batteries if necessary.
- **Device Not Powering On:** Verify battery installation and charge.
- **Error Message:** Refer to the specific error code (if displayed) in the full product manual or contact customer support.

## 8. SPECIFICATIONS

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Feature	Specification
Brand	MCP
Model Name	Bio-1
Connectivity Technology	Infrared
Display Type	LCD
Power Source	Battery Powered (2 x AAA batteries required)
Forehead Temperature Range	32°C - 42.9°C (89.6°F - 109.2°F)
Object Temperature Range	0°C - 93°C (32°F - 199.4°F)
Accuracy	±0.3°C (±0.54°F)
Response Time	2 seconds
Memory Storage	Up to 20 readings
Auto Shut-off	8-10 seconds
Special Feature	Backlit (Tri-color)
Outer Material	Polyvinyl Chloride
Item Weight	100 g
Country of Origin	India
Manufacturer	Global Trade Links

## 9. SUPPORT

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For further assistance or inquiries, please contact the manufacturer, Global Trade Links. Refer to your purchase documentation for specific contact details.