Non-Contact
Infrared Body Thermometer
Model No: 70113

Instruction Manual
Please read this instruction manual completely before operating.

Package Contents

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Parts</th>
</tr>
</thead>
<tbody>
<tr>
<td>1pc</td>
<td>Non-Contact Infrared Body Thermometer</td>
</tr>
<tr>
<td>2pc</td>
<td>1.5V (AAA) Batteries</td>
</tr>
<tr>
<td>1pc</td>
<td>User Manual</td>
</tr>
</tbody>
</table>

Thermometer Specification

Measurement Unit: °C/°F
Operating Mode: Adjusted Mode (body mode)
                Direct mode (surface mode)
Recommended Measuring Site: Forehead
Reference Body site: Axillary
Rated Output Range: Body mode: 95.0°F – 107.6°F (35.0°C – 42.0°C)
                   Surface Mode: 32.0°F – 212.0°F (0.0°C – 100.0°C)
Range: Body Mode: 93.2°F – 109.2°F (34.0°C – 42.9°C)
       Surface Mode: 32.0°F – 212.0°F (0.0°C – 100.0°C)
Accuracy Body mode: +/- 0.4°F (0.2°C)
                Surface mode: +/- 3.6°F (2.0°C)
Display Resolution: 0.1°C/ 0.1°F
Three-Color Backlight Display: Green (Normal): 95.9°F – 99.1°F (35.5°C – 37.3°C)
                              Yellow (Mild Fever): 99.3°F – 100.4°F (37.4°C – 38.0°C)
                              Red (Fever): 100.6°F – 109.2°F (38.1°C – 42.9°C)
Auto Power Off Time: < 18s
Measuring Time: < 2s
Measuring Distance: 1CM – 5CM (0.4 – 2.0in)
Stored Memory Capacity: 50
Operating Condition: Operating Temperature 59.0°F – 95.0°F (15.0°C – 35.0°C)
                    Relative humidity ≤85% Pressure 70Kpa – 106Kpa
Product Specification

1. LCD Display
2. Battery Cover
3. ON/Scan Button
4. SET Button
5. MEMO Button
6. MODE Button
7. Infrared (IR) Sensor

1. Surface Mode
2. Body Mode
3. Digital Display
4. Smile or Cry Indicator
5. Battery Indicator
6. Sound On/Off Indicator
7. Memory number
8. °F
9. °C
10. Memory

Installing/Replacing Battery

- Located at the base of the thermometer is the battery cover.
- Insert two AAA batteries to match the “+” and “-” as illustrated in the battery compartment.
- Close the battery cover and ensure it is locked in place before operation.
- When replacing batteries, always replace with new AAA batteries ensuring to again match polarities indicated in the battery compartment.
- If the thermometer does not power on after replacing the batteries, please remove the batteries and allow 30 seconds to pass before reinstalling the batteries once more.

Note: Please follow local and state guidelines for proper battery disposal.
Thermometer Settings

Adjusting Unit of Measure: Celsius and Fahrenheit
- Press and then hold the ‘SET’ button until you see the screen Flash ‘F1’.
- On the top right corner, you will see either ‘F’ or ‘C’ flashing. This is the unit the thermometer is currently recording measurements.
- To change the unit of measurement please press and release the “MEMO” button once to switch to the alternative unit. The newly selected unit will be displayed on the screen.
- Once you have selected the appropriate unit, please press and release the ‘SET’ button to save the selection.
- Lastly, press the power button to return to the home screen, you will see the new unit of measure selected displayed on the screen.

Adjusting Sound: ON/OFF
- To turn the sound on/off press and release the ‘SET’ button. ‘ON’ or ‘OFF’ will display on the screen depending on the current setting.
- If sound is turned ‘ON’ device will ‘beep’ and display sound icon on the screen.

Measurement Preparation For Best Results
- For more accurate measurements always store the device in same environment it is being used, for at least 30 minutes prior. An unexpected fluctuation of ambient temperature is likely to lower measuring accuracy.
- External factors may influence forehead temperatures, particularly when the individual has been:
  - Exposed to very hot or cold temperatures.
  - Recently exercising, bathing or other physical exertion as this increase’s temperature.
- Do not talk or move body during measurement.
- Make sure to dry forehead or excessive hair may cause inaccurate reading.
- The infrared sensor must be kept clean, dry and undamaged to ensure accurate results. Please wait 5-15 minutes before taking measurement again.
- Replace battery when low battery indicator is “ON”.
- Use of this device is not intended as a substitution for consultation with your physician.
  Measurement results are for reference only. Contact your physician if you have or suspect and health concerns.
Thermometer Operating Guide

Turning the unit on/off:
- To turn on the unit, simply press and release the ‘On/Scan’ Trigger. The device will turn on and ‘beep’ (if sound is turned on).
- This unit will automatically power off.

Forehead temperature measurement:
- Ensure the unit is in ‘body mode’. Press and release the ‘MODE’ button to switch between modes, ‘Body’ will be visible on the display.
- Please remove any obstructions like hats, beanies, headbands, and hair for accurate reading.
- For optimal results point the unit towards the forehead holding the probe 0.4 - 2 inches away from the forehead.
- Ensure you point the unit first, then press and release the ‘ON/Scan’ trigger.
- Allow 1-2 seconds after pressing the ‘ON/Scan’ trigger for temperature to display (if the sound is on the thermometer will ‘beep’ once).
- Please remember to take temperature in a controlled environment where direct sunlight or cold air will not affect the measurement.
- Please wait a few minutes before taking the temperature of an individual who has been exposed to extreme heat or severe cold weather.

Note: Results shown from 93.2 °F to 109.2 °F (34.0 °C to 42.9 °C). “HI” is displayed for all results above 109.2 °F (42.9°C), and “LO” displayed for result below 93.2 °F (34.0°C).

Surface/food temperature measurement:
- Ensure the unit is in ‘surface mode’. Press and release the ‘MODE’ button to switch between modes, ‘surface’ will be visible on the display.
- For optimal results point the unit towards the ‘surface’ holding the probe 0.4 - 2 inches away from the object.
- Ensure you point the unit first, and then press and release the ‘ON/Scan’ trigger.
- Allow 1-2 seconds after pressing the ‘ON/Scan’ trigger for temperature to display (if the sound is on thermometer will ‘beep’ once).

Memory Function
- Each temperature taken by this unit is stored in the memory
- This unit has the capability to hold 50 readings in the memory.
- To access the memory data please press and release the ‘MEMO’ button.
- The latest reading will be displayed. The Memory number will be displayed on the screen.
- Continue to press (and release) the ‘MEMO’ button to filter through the stored information.
- Once the memory is full the oldest data will automatically be deleted and overwritten with the new information.
- To delete all memory, with the unit turned on, please press and hold the ‘MEMO’ button until you see the screen show ‘CLR’. All stored date will be completely deleted.
Care and Maintenance

- It is recommended that the thermometer is stored in a dry place free from dust.
- Do not expose thermometer to direct sunlight or air conditioning/fan that will tamper with the thermometer sensor.
- Please do NOT expose thermometer to any humidity or water (non-waterproof).
- To clean the unit, please use an alcohol swab or wipe. Do not use water directly. Ensure all residual alcohol has evaporated before use.

Equipment Symbols

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Warning" /></td>
<td>Warning</td>
</tr>
<tr>
<td><img src="image" alt="Compliance with WEEE Standard" /></td>
<td>Compliance with WEEE Standard</td>
</tr>
<tr>
<td><img src="image" alt="Non Sterile Packaging" /></td>
<td>Non Sterile Packaging</td>
</tr>
<tr>
<td><img src="image" alt="DO NO THROW AWAY intended for multiple use" /></td>
<td>DO NO THROW AWAY intended for multiple use</td>
</tr>
<tr>
<td><img src="image" alt="Refer to Operating Instructions" /></td>
<td>Refer to Operating Instructions</td>
</tr>
<tr>
<td><img src="image" alt="Operating atmospheric pressure" /></td>
<td>Operating atmospheric pressure</td>
</tr>
<tr>
<td><img src="image" alt="Serial number" /></td>
<td>Serial number</td>
</tr>
<tr>
<td><img src="image" alt="Operating Temperature" /></td>
<td>Operating Temperature</td>
</tr>
<tr>
<td><img src="image" alt="Operating Humidity" /></td>
<td>Operating Humidity</td>
</tr>
<tr>
<td><img src="image" alt="Recyclable" /></td>
<td>Recyclable</td>
</tr>
<tr>
<td><img src="image" alt="Manufacturer" /></td>
<td>Manufacturer</td>
</tr>
<tr>
<td><img src="image" alt="This device compiles with Part 15 of FCC (federal communications Commission) Rules." /></td>
<td>This device compiles with Part 15 of FCC (federal communications Commission) Rules.</td>
</tr>
<tr>
<td><img src="image" alt="IP22" /></td>
<td>IP22: The first number 2: Protected against solid foreign objects to 12.5mm Φ and greater. The second number: Protected against vertically falling water drops, when enclosure titled up to 15°.</td>
</tr>
<tr>
<td>WARNING:</td>
<td>This product was designed to measure human body temperature on the forehead, do not use this for any other purpose.</td>
</tr>
<tr>
<td>WARNING:</td>
<td>Do not use this thermometer if it has been malfunctioning or it has been broken or damaged.</td>
</tr>
<tr>
<td>WARNING:</td>
<td>This product is not waterproof. Do not use this product under any wet conditions and do not immerse in any liquid or water.</td>
</tr>
<tr>
<td>WARNING:</td>
<td>This product should not be left alone with children or pets when not in use by an adult.</td>
</tr>
<tr>
<td>WARNING:</td>
<td>Do not store the thermometer in extreme temperatures below (-4°F / -20°C) or over (131°F/ 55°C).</td>
</tr>
</tbody>
</table>
## Compliance and EMC Declaration

### Compliance

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Type Of Protection</td>
<td>Internally powered equipment (battery power)</td>
</tr>
<tr>
<td>Degree of Protection</td>
<td>Non-applied part</td>
</tr>
<tr>
<td>Front Panel and Case Labelling</td>
<td>EN ISO15223-1:2012</td>
</tr>
<tr>
<td>Temperature</td>
<td>EN ISO80601-2-56:2012</td>
</tr>
<tr>
<td>Home Healthcare Environment</td>
<td>EN 60601-1-11:2010</td>
</tr>
</tbody>
</table>

### Guidance and Manufacturers Declaration – Electromagnetic Emission

The Non-Contact Infrared Body Thermometer is intended for use in the electromagnetic environment specified below. The user of the Non-Contact Infrared Body Thermometer should ensure that it is used in such an environment.

<table>
<thead>
<tr>
<th>Emission Test</th>
<th>Compliance</th>
<th>Electromagnetic Environment – Guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF emissions CISPR 11</td>
<td>Group 1</td>
<td>The Non-Contact Infrared Body Thermometer uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.</td>
</tr>
<tr>
<td>RF Emission CISPR 11</td>
<td>Class B</td>
<td>The Non-Contact Infrared Body Thermometer is suitable for use in all establishments, other than domestic and those directly connected to the public low voltage power supply network that supplies building used for domestic purposes.</td>
</tr>
<tr>
<td>Harmonic Emissions IEC 61000-3-2</td>
<td>Not Applicable</td>
<td></td>
</tr>
<tr>
<td>Voltage Fluctuations/Flicker Emissions IEC 61000-3-3</td>
<td>Not Applicable</td>
<td></td>
</tr>
</tbody>
</table>

### Guidance and Manufacturers Declaration – Electromagnetic Immunity

The Non-contact Infrared Body Thermometer is intended for use in the electromagnetic environment specified below. The user of Non-Contact Infrared Body Thermometer should ensure that it is used in such an environment.

<table>
<thead>
<tr>
<th>Immunity Test</th>
<th>IEC 60601 Test Level</th>
<th>Compliance Level</th>
<th>Electromagnetic Environment – Guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrostatic discharge (ESD) IEC 61000-4-2</td>
<td>±6 kV contact ±8 kV air</td>
<td>±6 kV contact ±8 kV air</td>
<td>Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%</td>
</tr>
<tr>
<td>Electrical fast transient/burst IEC 61000-4-4</td>
<td>±2 kV for power supply lines ±1 kV for input/output lines</td>
<td>Not applicable</td>
<td>Mains power quality should be that of a typical commercial or hospital environment.</td>
</tr>
<tr>
<td>Surge IEC 61000-4-5</td>
<td>±1 kV line(s) to line(s) ±2 kV line(s) to earth</td>
<td>Not applicable</td>
<td>Mains power quality should be that of a typical commercial or hospital environment.</td>
</tr>
<tr>
<td>Voltage dips, short interruptions, and voltage variations on power supply input lines IEC 61000-4-11</td>
<td>&lt;5% U&lt;sub&gt;T&lt;/sub&gt; (&gt;95% dip in U&lt;sub&gt;T&lt;/sub&gt;) for 0.5 cycle 40% U&lt;sub&gt;T&lt;/sub&gt;(60% dip in U&lt;sub&gt;T&lt;/sub&gt;) for 5 cycles 70% U&lt;sub&gt;T&lt;/sub&gt;(30% dip in U&lt;sub&gt;T&lt;/sub&gt;) for 5 cycles &lt;5% U&lt;sub&gt;T&lt;/sub&gt;(&gt;95% dip in U&lt;sub&gt;T&lt;/sub&gt;) for 5 sec</td>
<td>Not applicable</td>
<td>Mains power quality should be that of a typical commercial or hospital environment. If the user of the Non-Contact Infrared Body Thermometer requires continued operation during power mains interruptions, it is recommended that the Non-Contact Infrared Body Thermometer be powered from an uninterruptible power supply or a battery.</td>
</tr>
<tr>
<td>Power frequency (50Hz/60Hz) magnetic field IEC 61000-4-8</td>
<td>3 A/m</td>
<td>3 A/m</td>
<td>Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.</td>
</tr>
</tbody>
</table>

Note: U<sub>T</sub> is the a.c. mains voltage prior to application of the test level.
Limited Product Warranty

MOBi® warrants its products to be free from defects in material and workmanship for period of (1 Year) from the date of purchase. Should the product prove to be defective at any time during the warranty period, we would either replace or repair the product at our option without charge. After the warranty period, a service charge will apply for replacement of parts and labor costs. To obtain warranty service, you must return the product complete with its original parts & accessories along with a copy of the original purchase, gift or registry receipt to us. This warranty does not cover damage caused by any tampering, accident, misuse, abuse, improper maintenance, unauthorized modification, or connection to an improper power supply. There will be a charge for repair caused for such damage. This warranty excludes all incidental or consequential damages and any liability other than stated above.

Questions?
Please visit: www.getmobi.com
Email: service@getmobi.com

Note:
For Detailed Instructional Manual please follow this link: http://www.getmobi.com/users-manuals

© 2021 MOBi Technologies, Inc.
All Rights Reserved