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LEPU Medical LFR30B

LEPU Medical LFR30B Infrared Digital Non-Contact Thermometer User Manual

Model: LFR30B

1. INTRODUCTION

Thank you for choosing the LEPU Medical LFR30B Infrared Digital Non-Contact Thermometer. This device is designed for safe, accurate, and rapid temperature measurement for both human bodies and objects. Its non-contact design helps prevent cross-infection, making it ideal for use with babies, children, and adults.

Key features include:

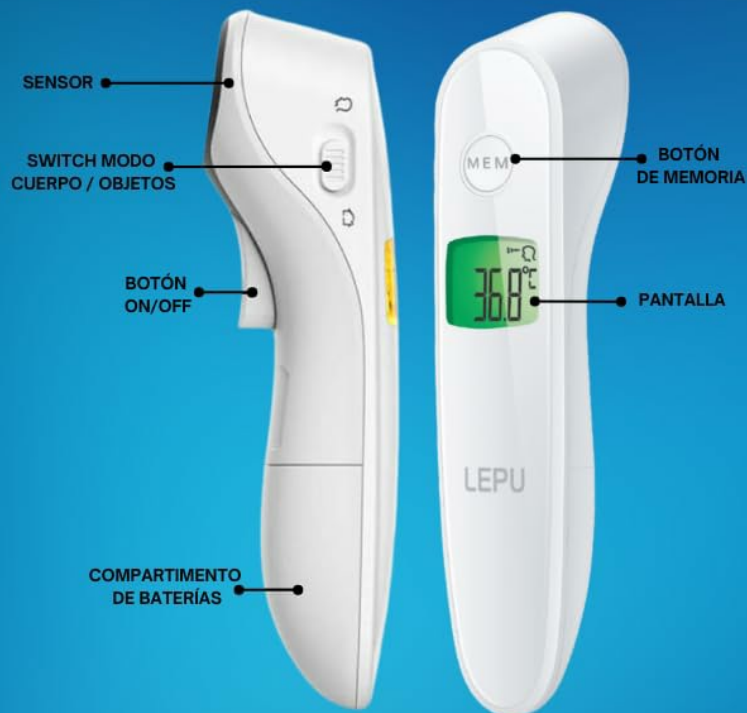
- Non-contact body temperature measurement to avoid cross-infection.
- Imported probe for 1-second temperature display.
- Blue dot focusing calibration system for optimal measurement distance.
- Two temperature measurement modes: Human Body and Object.
- Memory function to store up to 99 data sets for tracking temperature changes.

2. PRODUCT OVERVIEW



Figure 2.1: LEPU Medical LFR30B Infrared Digital Non-Contact Thermometer.

CONFIGURE A SU PREFERENCIA



EN MODO APAGADO PRESIONE EL BOTÓN DE MEMORIA DURANTE 4 SEGUNDOS PARA CONFIGURAR EL SONIDO ON/OFF



EN MODO APAGADO PRESIONE EL BOTÓN DE MEMORIA DURANTE 6 SEGUNDOS PARA CAMBIAR ENTRE GRADOS °F Y °C

Figure 2.2: Labeled components of the thermometer. Includes Sensor, Body/Object Mode Switch, ON/OFF Button, Battery Compartment, Memory Button, and Display.

The thermometer features a clear LCD display, a memory button (MEM), and a trigger for measurement. The mode switch allows selection between human body and object temperature measurement.

3. SETUP

3.1 Battery Installation

The thermometer requires 2 x 1.5V AAA batteries (not included in some packages, but often included as per product details). To install:

1. Locate the battery compartment on the handle of the thermometer.
2. Slide open the battery compartment cover.
3. Insert two AAA batteries, ensuring correct polarity (+ and -).
4. Close the battery compartment cover securely.

PRÁCTICA BOLSA Y BATERÍAS INCLUIDAS



Figure 3.1: The thermometer with its practical storage pouch and AAA batteries.

3.2 Initial Power-On and Settings

After battery installation, press the ON/OFF button to power on the device. The thermometer will perform a self-check and display the last measurement or be ready for a new measurement.

3.2.1 Changing Temperature Units (°C/°F)

To switch between Celsius (°C) and Fahrenheit (°F):

- With the thermometer powered **OFF**, press and hold the **Memory (MEM) button** for approximately 6 seconds.
- The display will cycle between °C and °F. Release the button when your desired unit is shown.

3.2.2 Adjusting Sound (On/Off)

To turn the sound (beeps) on or off:

- With the thermometer powered **OFF**, press and hold the **Memory (MEM) button** for approximately 4 seconds.
- The display will show an icon indicating sound on or off. Release the button when your desired setting is shown.

4. OPERATING INSTRUCTIONS

4.1 Selecting Measurement Mode

The thermometer supports two measurement modes: Human Body and Object. Use the mode switch located on the side of the device to toggle between these two modes.



Figure 4.1: Illustration of the two measurement modes: Forehead Measurement (Human Body) and Object Measurement (e.g., baby bottle, bath water).

4.2 Taking a Measurement

For accurate readings, ensure the measurement distance is between 0 cm and 5 cm. The blue dot focusing system helps identify the optimal distance.

INDICADOR DE PUNTO AZUL



Figure 4.2: The blue dot indicator helps ensure the correct measurement distance (less than 5 cm) for accurate readings.

To take a measurement:

1. Ensure the correct mode (Human Body or Object) is selected.
2. Point the thermometer sensor towards the center of the forehead (for human body) or the surface of the object.
3. Maintain a distance of 0 cm to 5 cm. The blue dot will guide you to the optimal distance.
4. Press the measurement trigger. The reading will appear on the LCD screen within 1 second.



Figure 4.3: The thermometer provides quick (1-second) and safe non-contact measurements with fever alerts and memory storage.

4.3 Interpreting Results (Color Backlight)

The LCD display features a three-color backlight to indicate temperature ranges, especially useful for human body temperature:

- **Green Backlight:** Indicates a normal temperature (typically below 37.4 °C).
- **Yellow Backlight:** Indicates a slightly elevated temperature (typically between 37.5 °C and 38.5 °C).
- **Red Backlight:** Indicates a high temperature or fever (typically above 38.6 °C).

RETROILUMINACIÓN DE TRES COLORES

LOS RANGOS DE TEMPERATURA MUESTRAN DIFERENTES COLORES EN LA PANTALLA.



Cuando la temperatura corporal es mayor que **38.6 °C**, la pantalla es **roja**.



Cuando la temperatura corporal está entre **37.5 y 38.5 °C**, la pantalla es **amarilla**.



Cuando la temperatura corporal es menor que **37.4 °C**, la pantalla es **verde**.



Figure 4.4: The display changes color based on temperature: Green for normal, Yellow for slightly elevated, and Red for fever.



Figure 4.5: The bright screen and color alerts ensure clear readings even in low-light conditions, with features like the blue dot indicator and automatic shutdown.

4.4 Memory Recall

The thermometer can store up to 99 previous temperature readings. To access the memory:

- Press the **Memory (MEM) button** while the device is on.
- Each press will cycle through the stored readings, from the most recent to the oldest.

5. MAINTENANCE

5.1 Cleaning the Thermometer

To ensure hygiene and accurate readings, clean the thermometer regularly:

- Wipe the thermometer body with a soft, dry cloth.
- For the sensor lens, gently wipe with a cotton swab slightly moistened with alcohol. Do not use abrasive cleaners or

immerse the device in water.

- Ensure the sensor is clean and free of dust or debris before each use.

5.2 Storage

Store the thermometer in a cool, dry place, away from direct sunlight and extreme temperatures. The recommended storage temperature is -20 °C to 55 °C with humidity ≤ 95 % RH. If not in use for an extended period, remove the batteries to prevent leakage.

5.3 Battery Replacement

When the low battery indicator appears on the display, replace both AAA batteries with new ones. Follow the battery installation steps in Section 3.1.

6. TROUBLESHOOTING

If you encounter issues with your thermometer, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No display/Device won't turn on	Dead or incorrectly installed batteries.	Replace batteries with new ones, ensuring correct polarity.
Inaccurate readings	Incorrect measurement distance; dirty sensor; extreme ambient temperature changes.	Ensure 0-5cm distance using blue dot; clean sensor; allow thermometer to acclimate to room temperature for 30 minutes.
Display shows "Lo" or "Hi"	Temperature is outside the measurement range.	Ensure the temperature is within the specified range (Human Body: 32.0 °C ~ 43.0 °C; Object: 0 °C ~ 100 °C).
No sound/Sound not working	Sound function is turned off.	Refer to Section 3.2.2 to enable the sound function.

If the problem persists after trying these solutions, please contact customer support.

7. SPECIFICATIONS

Model Number	LFR30B
Measurement Distance	0 cm ~ 5 cm
Display Type	LCD
Display Resolution	0.1 °C / 0.4 °F
Human Body Measurement Range	32.0 °C ~ 43.0 °C
Object Measurement Range	0 °C ~ 100 °C
Accuracy (Human Body)	± 0.3 °C (34 °C ~ 43 °C), ± 0.4 °C (32 °C ~ 34 °C)
Operating Temperature	5 °C ~ 40 °C

Operating Humidity	≤ 85 % RH
Storage Temperature	-20 °C ~ 55 °C
Storage Humidity	≤ 95 % RH
Power Supply	2 x 1.5 V AAA Batteries
Lifespan	5 years
Item Weight	140 g
Dimensions (Packaging)	20.2 x 5.8 x 5.7 cm
Color	Green
Material	Plastic
Special Features	Automatic shutdown, Practical

8. WARRANTY AND SUPPORT

LEPU Medical products are manufactured to high-quality standards. Specific warranty details are typically provided with your product packaging or can be found on the official LEPU Medical website. Please retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or any inquiries regarding your LEPU Medical LFR30B thermometer, please refer to the contact information provided in your product's original documentation or visit the official LEPU Medical support channels.