LEPREM HT627

LEPREM HT627 Digital EMF Meter User Manual

Model: HT627

1. Introduction

Thank you for choosing the LEPREM HT627 Digital EMF Meter. This portable device is designed to detect and measure electromagnetic field (EMF) radiation, including magnetic fields, electric fields, and radio frequency (RF) fields. It is an essential tool for assessing radiation levels from various household appliances, electronic devices, and environments, helping you identify potential sources of EMF exposure. Please read this manual thoroughly before using the device to ensure safe and accurate operation.

2. Product Overview

The LEPREM HT627 features a compact design, a clear LCD display, and intuitive controls for ease of use. It provides real-time readings and includes functions for data hold and maximum value display.



Figure 2.1: Front view of the LEPREM HT627 Digital EMF Meter. The device features a clear LCD screen displaying various readings and indicators, along with three control buttons: Power/Hold, Function, and Max.

Key Features:

- **Multi-Field Measurement:** Detects magnetic (MAG), electric (ELEC), and radio frequency (RF) fields.
- **High-Definition LCD Backlit Display:** Provides clear readings even in low-light conditions.
- **Data Hold Function:** Locks the current reading on the display.
- **Maximum Value Hold:** Displays the highest recorded reading.
- **Sound and Light Alarm:** Alerts users to high radiation levels.
- **Portable Design:** Compact and lightweight for easy carrying and single-hand operation.

Components:

- **LCD Display:** Shows measurement values, units, and indicators.
- **Power/HOLD Button:** Turns the device on/off and activates/deactivates data hold.
- **FUNC Button:** Switches between measurement modes (MAG, ELEC, RF).
- **MAX Button:** Toggles between current reading and maximum recorded reading.

- **Sensor Area:** Located at the top of the device for detecting EMF.

3. Setup

3.1 Unpacking

Carefully remove the LEPREM HT627 EMF Meter from its packaging. Inspect the device for any signs of damage. If any damage is found, please contact your retailer.

3.2 Battery Installation

The HT627 typically uses standard batteries (e.g., AAA batteries). Locate the battery compartment on the back of the device. Open the compartment cover, insert the batteries according to the polarity markings (+/-), and then securely close the cover. Ensure batteries are correctly installed for proper operation.

4. Operating Instructions

4.1 Powering On/Off

- **To Power On:** Press and hold the **Power/HOLD** button for approximately 2 seconds. The LCD display will light up.
- **To Power Off:** Press and hold the **Power/HOLD** button again for approximately 2 seconds. The display will turn off.

4.2 Understanding the Display

The LCD display shows various information:

- **Measurement Values:** Large digits indicate the current EMF level.
- **Units:** Displays the unit of measurement (e.g., uW/m², uT, mG, V/m).
- **Mode Indicators:** Icons for MAG (Magnetic), ELEC (Electric), and RF (Radio Frequency) indicate the active measurement mode.
- **SAFE/PEAK/OVER Indicators:** These indicators provide a quick visual reference for radiation levels. 'SAFE' indicates low levels, 'PEAK' indicates a higher level, and 'OVER' indicates levels exceeding safe thresholds, often accompanied by an audible alarm.
- **Battery Indicator:** Shows the remaining battery life.

4.3 Switching Measurement Modes

Press the **FUNC** button to cycle through the three measurement modes:

1. **Magnetic Field (MAG):** Measures magnetic field strength.
2. **Electric Field (ELEC):** Measures electric field strength.
3. **Radio Frequency (RF):** Measures radio frequency power density.

4.4 Data Hold Function

To freeze the current reading on the display, briefly press the **Power/HOLD** button during measurement. The 'HOLD' indicator will appear. Press the button again to release the hold and resume real-time measurement.



Figure 4.1: The Data Hold function allows users to freeze the current reading on the display. The high-definition LCD with green backlight ensures visibility in various lighting conditions.

4.5 Maximum Value Hold

To view the maximum reading recorded since the device was powered on or the MAX function was reset, press the **MAX** button. The 'MAX' indicator will appear on the display. Press the**MAX** button again to return to real-time readings.

4.6 Practical Applications

The HT627 can be used to measure EMF radiation from a variety of sources:

- **Household Appliances:** Televisions, refrigerators, induction cookers, rice cookers, microwave ovens.
- **Electronic Devices:** Computers, Wi-Fi routers, mobile phones.
- **Electrical Infrastructure:** Electrical wires, distribution boxes.



Figure 4.2: The HT627 detecting radiation from a microwave oven and a WiFi router, demonstrating its versatility in home inspections.



Figure 4.3: The HT627 detecting radiation from a computer monitor and an electrical distribution box, highlighting its broad application range.

5. Maintenance

5.1 Cleaning

Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents, as they may damage the casing or display. Avoid getting moisture into the device.

5.2 Battery Replacement

When the battery indicator shows low power, replace the batteries promptly to ensure accurate readings. Always use new batteries of the specified type. Remove batteries if the device will not be used for an extended period to prevent leakage.

5.3 Storage

Store the device in a cool, dry place, away from direct sunlight and extreme temperatures. Keep it out of reach of

children.

6. Troubleshooting

If you encounter issues with your LEPREM HT627, please refer to the following common troubleshooting steps:

- **Device not turning on:** Check if the batteries are correctly installed and have sufficient charge. Replace batteries if necessary.
- **Inaccurate or erratic readings:** Ensure the device is not near strong magnetic fields or other sources of interference that could affect its sensors. Try moving to a different location.
- **Display is dim or flickering:** This usually indicates low battery power. Replace the batteries.
- **No sound alarm:** Check if the sound alarm function is enabled (if applicable, refer to device specific settings if available). Ensure the device is not in a silent mode.

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

7. Specifications

Feature	Detail
Model	HT627 (Manufacturer Model: 1005005910182551)
Brand	LEPREM
Measurement Modes	Magnetic Field (MAG), Electric Field (ELEC), Radio Frequency (RF)
Display	High-Definition LCD with Backlight
Functions	Data Hold, Max Value Hold, Sound/Light Alarm
Power Source	Batteries (type not specified, typically AAA)
Package Dimensions	3 x 2 x 1 cm
Package Weight	500 g
ASIN	B0CTQ62MNX

8. Warranty Information

Specific warranty details for the LEPREM HT627 Digital EMF Meter may vary depending on your region and the retailer from whom you purchased the product. Please retain your proof of purchase. For detailed warranty terms and conditions, refer to the documentation provided with your purchase or contact the seller directly.

9. Support

For technical assistance, product inquiries, or further support regarding your LEPREM HT627 Digital EMF Meter, please contact the retailer or manufacturer. Ensure you have your product model number (HT627) and purchase details available when seeking support.

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Example: How do I reset this device or fix this error?

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