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> AceFox EMF Meter User Manual

AceFox EMF Meter with LCD Screen

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Model: EMF Meter with LCD Screen

Brand: AceFox

1. INTRODUCTION

The AceFox EMF Meter is a hand-held digital device designed to detect and measure electromagnetic fields (EMF). It provides an easy-to-read multi-segment LCD display, allowing users to identify appliances that produce high-level emissions and make informed decisions about limiting exposure. This meter is suitable for home, office, and outdoor inspections, and is also commonly used in paranormal research.



Figure 1: Front view of the AceFox EMF Meter, showing the LCD screen and power button.

2. PRODUCT FEATURES

- **Wide Application:** Measures electromagnetic fields to identify devices producing high radiation levels, suitable for testing TVs, computers, microwave ovens, refrigerators, printers, cell towers, and low-frequency home appliances.
- **LCD Display:** Features an easy-to-read LCD display for visibility in various lighting conditions.
- **Portability:** Compact design fits in a pocket or purse for easy carrying.
- **Health Protection:** Helps in identifying and limiting exposure to potentially harmful long-term electromagnetic fields.
- **Precise Measurement:** Operates on a single 9V battery and reports EMF measurements in five milliGauss ranges.
- **Broad Frequency Range:** Measures EMFs from 50 Hz up to 20,000 Hz, capable of registering a cell phone within 2 feet.
- **Automatic Power Off:** Shuts down after 5 minutes of non-operation to conserve battery.
- **Sound Alarm:** A buzzer will alarm when the testing result exceeds 20mG.

- **Low Battery Indicator:** Notifies when battery is low.
- **Hanging Rope Design:** Includes a strap for secure handling.
- **Non-slip Design:** Ergonomic design for a secure grip.

	
<p>2024 Upgraded Version</p>	<p>Old Version</p>
<ul style="list-style-type: none"> ✓ Sound Alarm ✓ Auto Power Off ✓ Low Battery Indicator ✓ Hanging Rope Design ✓ Non-slip Design 	<ul style="list-style-type: none"> ✗ No Such Function ✗ No Such Function ✗ No Such Function ✗ No Such Function ✗ No Such Function

Figure 2: Key features of the 2024 upgraded version of the EMF Meter, highlighting improvements like sound alarm and auto power off.

3. PRODUCT OVERVIEW

Familiarize yourself with the components of your AceFox EMF Meter:

Product Details



Figure 3: Detailed view of the EMF Meter, showing the LCD screen, power switch, non-slip design, hanging rope, and battery compartment.

- **LCD Screen:** Displays the detected EMF levels using a multi-segment light scale.
- **Power Switch:** Push-on/push-off button to activate and deactivate the device.
- **Non-Slip Design:** Textured sides for a secure and comfortable grip.
- **Hanging Rope:** A wrist strap for added security and portability.
- **Battery Compartment:** Located at the rear, houses the 9V battery.

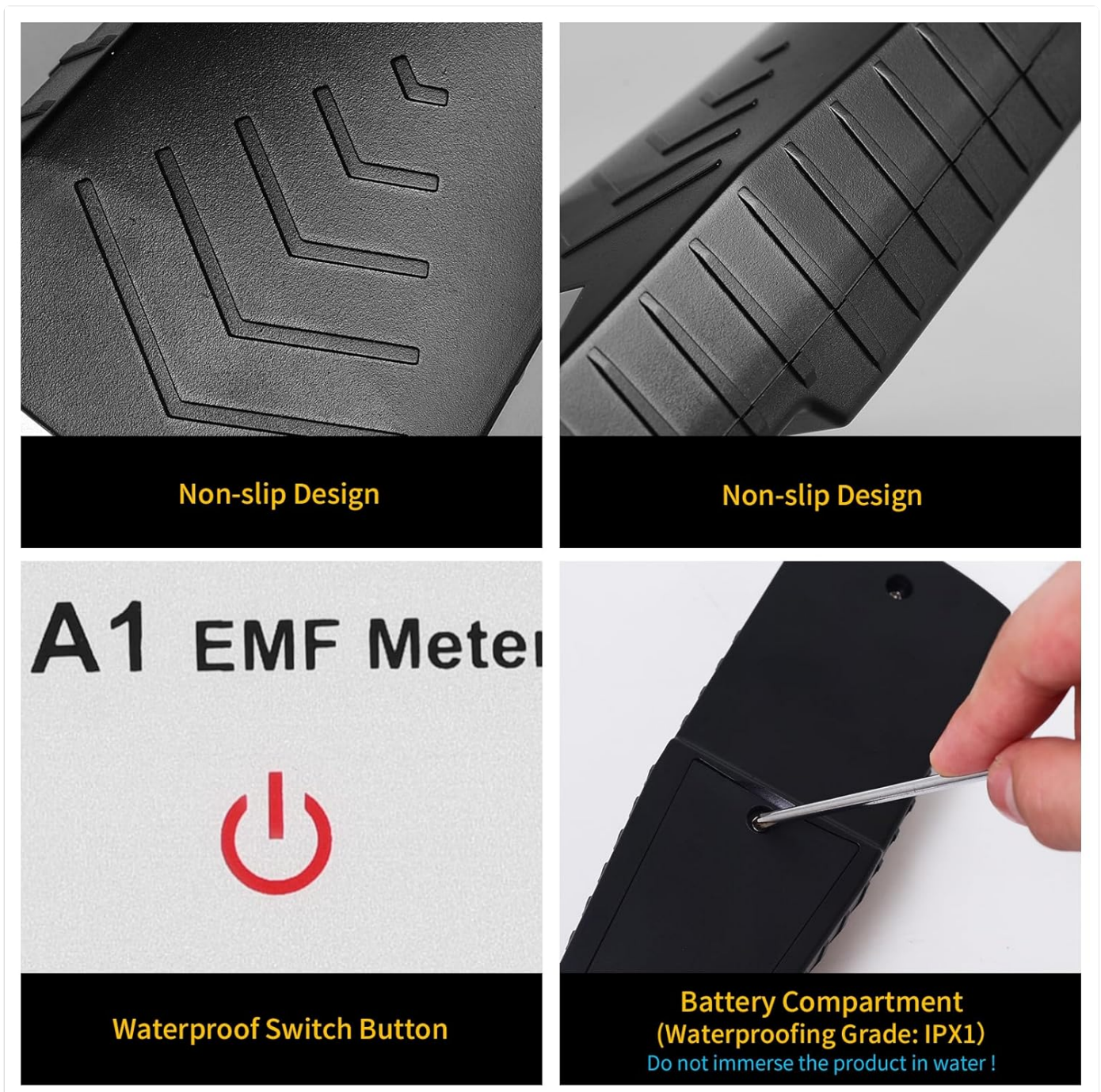


Figure 4: Close-up images illustrating the non-slip design, waterproof switch button, and the battery compartment requiring a screwdriver for access.

4. SETUP

4.1. Battery Installation

1. Locate the battery compartment on the back of the EMF Meter.
2. Using a small screwdriver, carefully open the battery compartment cover.
3. Insert one 9V battery, ensuring correct polarity (+/-). The device comes with a 9V battery included.
4. Replace the battery compartment cover and secure it with the screw.

Note: The battery compartment has a waterproofing grade of IPX1. Do not immerse the product in water.

5. OPERATING INSTRUCTIONS

1. **Power On:** Press the power switch button located on the front of the device. The LCD display will illuminate.
2. **Measurement:** Hold the EMF Meter in the area you wish to test. The device will immediately begin detecting electromagnetic fields.
3. **Interpreting Readings:** Observe the illuminated segments on the LCD display. Each segment corresponds to a specific EMF level range (see Section 6 for details).
4. **Sound Alarm:** If the detected EMF level exceeds 20mG, the device will emit an audible alarm.
5. **Power Off:** Press the power switch button again to turn off the device. The meter also features an automatic power-off function after 5 minutes of inactivity.



Figure 5: The EMF Meter in operation, demonstrating the sound alarm feature when high EMF levels are detected, such as near electronic devices.

6. UNDERSTANDING EMF READINGS (FIVE SCALES)

The AceFox EMF Meter uses a five-segment light scale to indicate the strength of the electromagnetic field:

LCD Screen & 5 Milligauss Range

Our product is upgraded to a screen model. It has a built-in electromagnetic radiation sensor, which can display the radiation value on the clear color LCD screen after being processed by the controlling microchip.

Measuring a variety of EMFs from 50Hz to 20,000Hz.



Figure 6: Visual representation of the five EMF detection ranges and their corresponding light indicators on the meter.

- **1st Light (Normal):** Detects a Normal EMF field, which is always around us. Range: 0 to 1.5 mG.
- **2nd Light (GREEN):** Detects a Low Level EMF. Range: 1.5 to 2.5 mG.
- **3rd Light (YELLOW):** Detects a Mid Level EMF. Range: 2.5 to 10 mG.
- **4th Light (ORANGE):** Detects a High Level EMF field. Range: 10 to 20 mG.
- **5th Light (RED):** Detects an Extremely High EMF Range. Range: 20+ mG.

7. APPLICATIONS

The AceFox EMF Meter can be used in various scenarios:

- **Home and Office Inspections:** Identify high EMF emissions from common household appliances and office equipment (e.g., TVs, computers, microwave ovens, refrigerators, printers).
- **Personal Health:** Assess EMF levels in your environment to make informed decisions about reducing exposure, especially for sensitive individuals or during pregnancy.

- **Outdoor Inspections:** Detect EMFs from sources like cell towers or power lines.
- **Paranormal Research:** Often used by ghost hunters and paranormal investigators to detect unexplained phenomena, as EMF fluctuations are sometimes associated with alleged hauntings.

Ideal for Adventure & Personal Health



Figure 7: Examples of where the EMF Meter can be utilized, from outdoor adventures to assessing EMF levels around household electronics and for personal well-being.

8. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the EMF Meter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Replacement:** Replace the 9V battery when the low battery indicator appears or if the device does not power on. Always dispose of used batteries responsibly.
- **Water Resistance:** The battery compartment has an IPX1 rating, meaning it is protected against vertically falling drops of water. Do not immerse the device in water or expose it to heavy rain.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low or dead battery; incorrect battery installation.	Replace the 9V battery; ensure correct polarity.
Readings are inconsistent or erratic.	Interference from other electronic devices; low battery.	Move away from other strong electronic signals; replace battery.
Sound alarm constantly active.	High EMF environment.	This indicates a strong EMF field (20+ mG). Move to an area with lower EMF or identify the source.
LCD display is dim.	Low battery.	Replace the 9V battery.

10. SPECIFICATIONS

- **Accuracy:** +/- 5%
- **Detection Range:** 0 to 20+ milliGauss (mG)
- **Detection Frequency:** 30 - 20,000 Hz
- **Power Source:** 1x 9V battery (included)
- **Dimensions (L*W*H):** 14.17 x 5.08 x 2.29 cm (5.3" x 2" x 1")
- **Weight:** 130 g
- **Model Number:** EMF Meter with LCD Screen
- **Manufacturer:** AceFox

11. WARRANTY AND SUPPORT

For warranty information or technical support, please contact AceFox customer service through their official channels or the retailer from whom the product was purchased. Please refer to your purchase documentation for specific warranty terms and conditions.

Manufacturer: AceFox

