

[Manuals.plus](#) /

› [Soonkoda](#) /

› Soonkoda S8602 3-in-1 EMF Meter User Manual

Soonkoda S8602

Soonkoda S8602 3-in-1 EMF Meter User Manual

Model: S8602 | Brand: Soonkoda

1. INTRODUCTION

The Soonkoda S8602 is a versatile 3-in-1 EMF meter designed for detecting electromagnetic field (EMF) radiation, electric field strength, and ambient temperature. This device is ideal for use in various environments including homes, offices, and industrial settings, helping users identify potential sources of radiation from electronic devices such as mobile phones, computers, TVs, and high-voltage lines. It features a clear LCD graphic display, sound and light alarms for exceeding thresholds, data hold functionality, and the ability to display MAX/MIN/AVG values. This manual provides comprehensive instructions for the safe and effective use of your EMF meter.



Image: The Soonkoda S8602 Electromagnetic Field Radiation Detector, highlighting its primary function.

2. SAFETY INFORMATION

Please read and understand all safety warnings and operating instructions before using this device. Failure to do so may result in injury or damage to the meter.

- Do not attempt to disassemble or modify the meter.
- Keep the device away from water and high humidity environments.
- Avoid exposing the meter to extreme temperatures or direct sunlight for prolonged periods.
- Use only the specified battery type (AAA*3) and ensure correct polarity during installation.
- Do not use the meter if it appears damaged or is not functioning correctly.
- This device is for measurement purposes only and should not be used as a substitute for professional safety assessments.

3. PACKAGE CONTENTS

Verify that all items are present and in good condition upon opening the package:

- Main EMF Meter Unit
- 3 x AAA Batteries
- User Manual (this document)



Image: The Soonkoda S8602 EMF Meter shown with the included AAA batteries.

4. PRODUCT OVERVIEW AND FEATURES

The Soonkoda S8602 EMF Meter is a compact and user-friendly device designed for comprehensive environmental monitoring. It integrates three key measurement capabilities and several convenient features:

- **3-in-1 Functionality:** Simultaneously detects electric field, magnetic field radiation, and temperature.

- **Alarm Thresholds:** Features sound, light, and screen display alarms when electric field (40V/m) or magnetic field (0.4 μ T) thresholds are exceeded.
- **Data Hold:** Allows users to lock the current reading on the screen for easy recording.
- **MAX/MIN/AVG Value:** Provides options to view maximum, minimum, and average readings during measurement.
- **Graphic Display:** LCD shows a graphical trend of radiation values, indicating whether the current level is safe.
- **HD Backlight:** Ensures clear readability in various lighting conditions.
- **Automatic Shut Down:** Conserves battery life by automatically turning off after 3 minutes of inactivity.
- **Portable Design:** Fashionable appearance, easy to operate with one hand, suitable for field measurements.



Image: Key components and controls of the Soonkoda S8602 EMF Meter.

μT

Magnetic Field

V/m

Electric Field

$^{\circ}\text{C}/^{\circ}\text{F}$

Temperature

3 in 1 EMF Meter



Image: The 3-in-1 measurement capabilities of the EMF Meter: Magnetic Field, Electric Field, and Temperature.

PRODUCT FEATURES

EMF Reader

Multi-function



quick
response



HD
backlight

HOLD

Data
retention

**MAX
MIN**

Measurement



Low power
indicator



Buzzer



Trend graphics

3 Minites

Automatic
shut down



Image: Visual representation of the key features of the Soonkoda S8602 EMF Reader.

5. SETUP

5.1 Battery Installation

The Soonkoda S8602 EMF Meter is powered by three AAA batteries. To install or replace batteries:

1. Locate the battery compartment cover on the back of the device.
2. Slide the cover downwards to open the compartment.
3. Insert three AAA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment cover by sliding it upwards until it clicks into place.



Image: The battery compartment of the EMF Meter, designed for three AAA batteries.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

To power on the device, press and hold the red power button (**Power Switch Key**) located in the center of the control panel. The LCD screen will illuminate, and the device will perform a self-test before entering the measurement mode. To power off, press and hold the same power button again.

6.2 Mode Switching

The S8602 meter can measure electric field, magnetic field, and temperature. Short press the "MODE" button to cycle through these measurement modes. The current mode will be displayed on the LCD screen.

6.3 Backlight Control

To turn the LCD backlight on or off, short press the "Backlight keys" button (sun icon) located above the power button. This feature is useful for conserving battery life or improving visibility in different lighting conditions.

6.4 Data Hold Function

To freeze the current measurement reading on the screen, press the "HOLD" button. The "H" symbol will appear on the display, indicating that the data is held. Press the "HOLD" button again to exit the data holding mode and resume live measurements.

6.5 MAX/MIN/AVG Value Display

During measurement, you can switch between displaying the average, maximum, and minimum values recorded. Press the "RANGE" button to cycle through these options. This allows for analysis of peak and sustained radiation levels.

6.6 Alarm Function

The meter is equipped with an alarm system that activates when detected radiation levels exceed predefined safety thresholds (Electric field: 40V/m; Magnetic field: 0.4μT). When an alarm is triggered, the instrument will emit a sound, flash its lights, and display an alarm indicator on the screen simultaneously.

Three alarm modes

Exceeding alarm threshold

(electric field: 40V/m; Magnetic field: 0.4 μ T), the instrument will **sound, light, screen display at the same time.**



Sound



Light



Screen



Image: The three alarm modes (sound, light, screen) that activate when radiation thresholds are exceeded.

6.7 Practical Applications

The Soonkoda S8602 can be used to detect EMF radiation from various sources. Move the meter slowly around the area or device you wish to test. Observe the readings on the screen and listen for alarm indications. The value will decrease as you move away from the source of radiation.

Your browser does not support the video tag.

Video: Instructions for use of the Soonkoda S8602 EMF meter, demonstrating power socket, router, and refrigerator detection, as well as various button functions like power on, mode switching, backlight control, and data hold.

Three alarm modes

Exceeding alarm threshold

(electric field: 40V/m; Magnetic field: 0.4 μ T), the instrument will **sound, light, screen display at the same time.**



Sound



Light



Screen



Image: Examples of the EMF Meter in use, detecting radiation from common household electronics.

7. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your Soonkoda S8602 EMF Meter.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the meter. Do not use abrasive cleaners or solvents.
- **Storage:** Store the meter in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, remove the batteries to prevent leakage.
- **Battery Replacement:** Replace batteries promptly when the low power indicator appears on the display to ensure accurate readings.

8. TROUBLESHOOTING

If you encounter issues with your Soonkoda S8602 EMF Meter, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Meter does not power on	Low or dead batteries; Incorrect battery installation	Replace batteries with new ones; Ensure correct polarity (+/-)
Inaccurate readings	Interference from other electronic devices; Low battery power	Move away from other electronics; Replace batteries
Alarm constantly active	High radiation source nearby; Faulty sensor	Move to an area with lower radiation; If problem persists, contact support
LCD display is dim or blank	Backlight is off; Low battery power	Press the backlight button; Replace batteries

9. SPECIFICATIONS

Detailed technical specifications for the Soonkoda S8602 EMF Meter:

Specification	Value
Model Number	S8602
Manufacturer	Dongguan Dongyida Electronics Co., Ltd
Item Weight	0.035 ounces
Product Dimensions	2.05 x 1.14 x 5.98 inches
Country of Origin	China
Material	Plastic
Measurement Accuracy	1V/m; 0.01uT
Battery Type	AAA (Zinc Carbon)
Date First Available	November 17, 2022

10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the contact details provided with your purchase or visit the official Soonkoda website. Keep your purchase receipt as proof of purchase for any warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Email

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Details

Submit question