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- › [Wintact](#) /
- › [Wintact EMF Meter User Manual](#)

## Wintact WT3122

# Wintact EMF Meter User Manual

MODEL: WT3122

## Introduction

The Wintact EMF Meter is a versatile digital electromagnetic field radiation detector designed for home, office, and outdoor use. It accurately measures electric field strength, magnetic field strength, and ambient temperature. This device is ideal for identifying potential sources of electromagnetic radiation from various electrical appliances and environments, helping users assess and manage their exposure.





Front view of the Wintact EMF Meter, displaying electric field, magnetic field, and temperature readings on its backlit screen.

## Setup

### What's in the Box?

Upon unboxing your Wintact EMF Meter, please ensure all components are present:

- 1x Wintact EMF Meter (Model WT3122)
- 1x USB Charging Cable
- 1x Operation Manual

# What's in the box?



1x EMF Meter  
1x USB Charging Cable  
1x User Manual

Image showing the Wintact EMF Meter, USB charging cable, and user manual neatly packaged in its box.

## Charging the Device

The Wintact EMF Meter comes with a built-in rechargeable Lithium Polymer battery (600mAh). Before first use, or when the low battery indicator appears, charge the device using the provided USB cable.

1. Connect the small end of the USB charging cable to the Micro-B port on the side of the EMF meter.
2. Connect the standard USB-A end of the cable to a compatible USB power adapter (not included) or a computer

USB port.

3. The device will indicate charging status on its display. A full charge provides power for up to 2500 measurements.

**Note:** Measurements cannot be taken while the device is charging.



Close-up view of the Wintact EMF Meter's charging port with a USB cable inserted, illustrating the charging process.

## Operating Instructions

## Power On/Off

- To power on the device, press and hold the **Power** button (red button with power symbol) for a few seconds until the display illuminates.
- To power off the device, press and hold the **Power** button again until the display turns off.

## Measurement Modes and Display

The EMF meter simultaneously displays electric field (E-field), magnetic field (H-field), and ambient temperature readings.

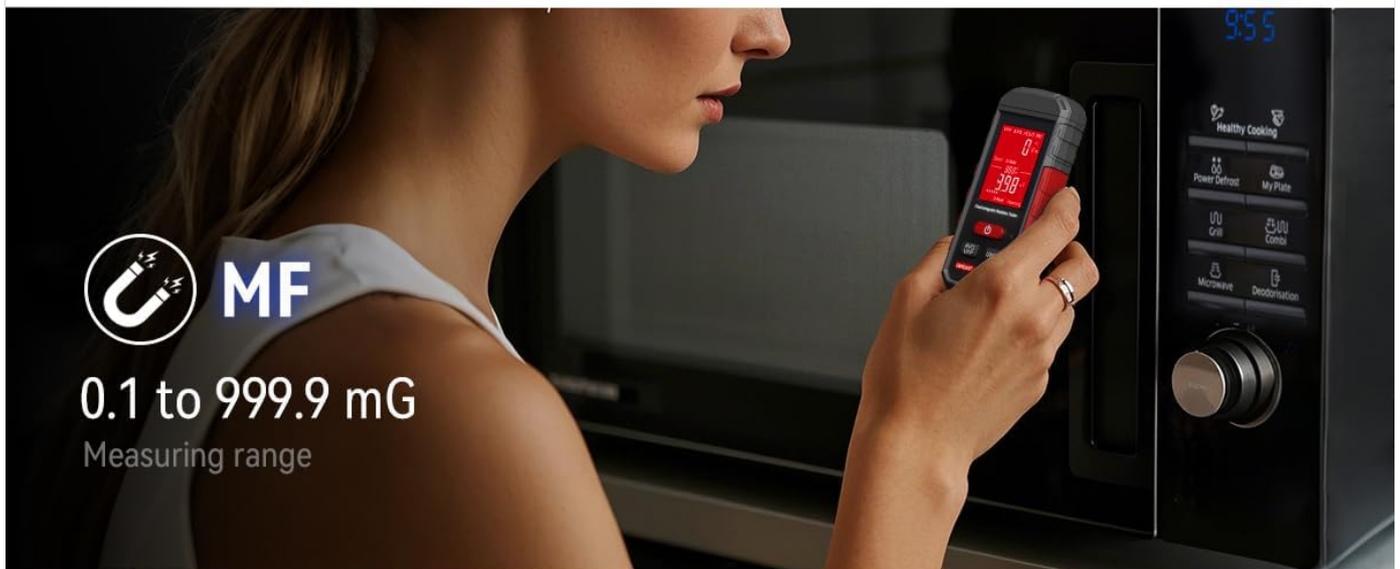
- **Electric Field (EF):** Measures from 1 to 1999 V/m.
- **Magnetic Field (MF):** Measures from 0.01 to 99.99  $\mu$ T or 0.1 to 999.9 mG.
- **Temperature (TEMP):** Measures from 32°F to 122°F (0°C to 50°C).



**EF**

1 to 1999 V/m

Measuring range



**MF**

0.1 to 999.9 mG

Measuring range



**TEMP**

32°F to 122°F

Measuring range

The EMF meter displaying its capabilities to measure electric fields, magnetic fields, and ambient temperature with their respective ranges.

### Button Functions

- **Power Button:** Short press to hold the current reading (Data Hold). Long press to power on/off.
- **AVG/VPP Button:** Short press to switch between Average (AVG) and Peak (VPP) value display modes. Long press to toggle the audible alarm on/off.
- **UNIT Button:** Short press to switch the magnetic field unit between  $\mu\text{T}$  (microtesla) and mG (milligauss). Long press to switch the temperature unit between  $^{\circ}\text{C}$  (Celsius) and  $^{\circ}\text{F}$  (Fahrenheit).

# One-Button Operation

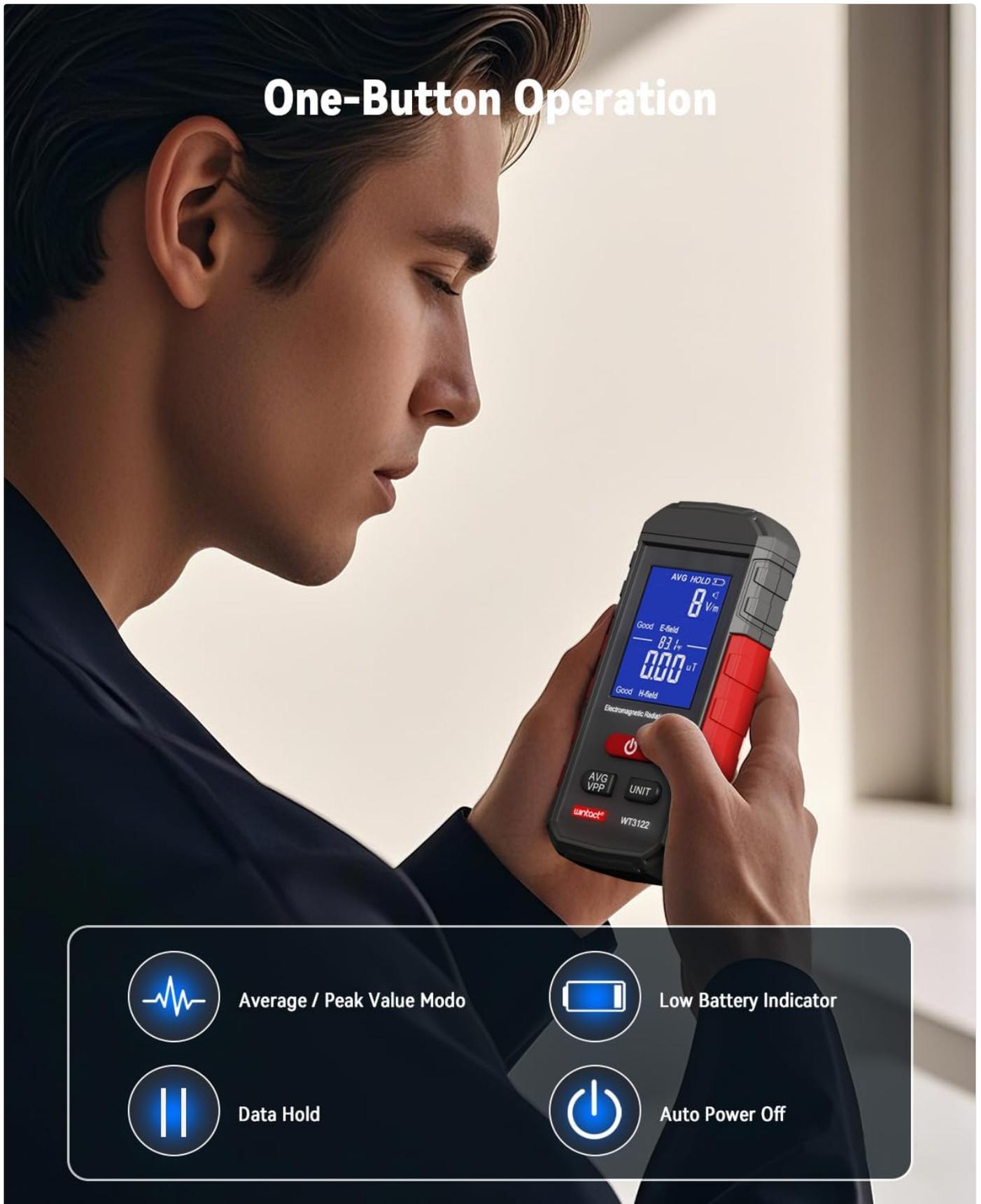


Illustration of the Wintact EMF Meter highlighting its one-button operation for average/peak value mode, data hold, low battery indicator, and auto power off.

## Sound and Light Alarms

The device features a sound and light alarm system to alert you when EMF levels exceed safe thresholds. The alarm triggers if the magnetic field exceeds  $0.4 \mu\text{T}$  (4 mG) or the electric field exceeds 40 V/m.

- When levels are high, the screen will turn red, an indicator light will flash, and an audible beep will sound.

- To turn off the audible alarm, long press the **AVG/VPP** button. The visual alerts (red screen, flashing light) will remain active.

## Sound & Light Alarms



Alarm notification for exceeding safe levels (40V/m or 0.4mG)

The EMF meter showing a red screen and flashing indicator, signaling an alarm due to high radiation levels (exceeding 40V/m or 0.4mG).

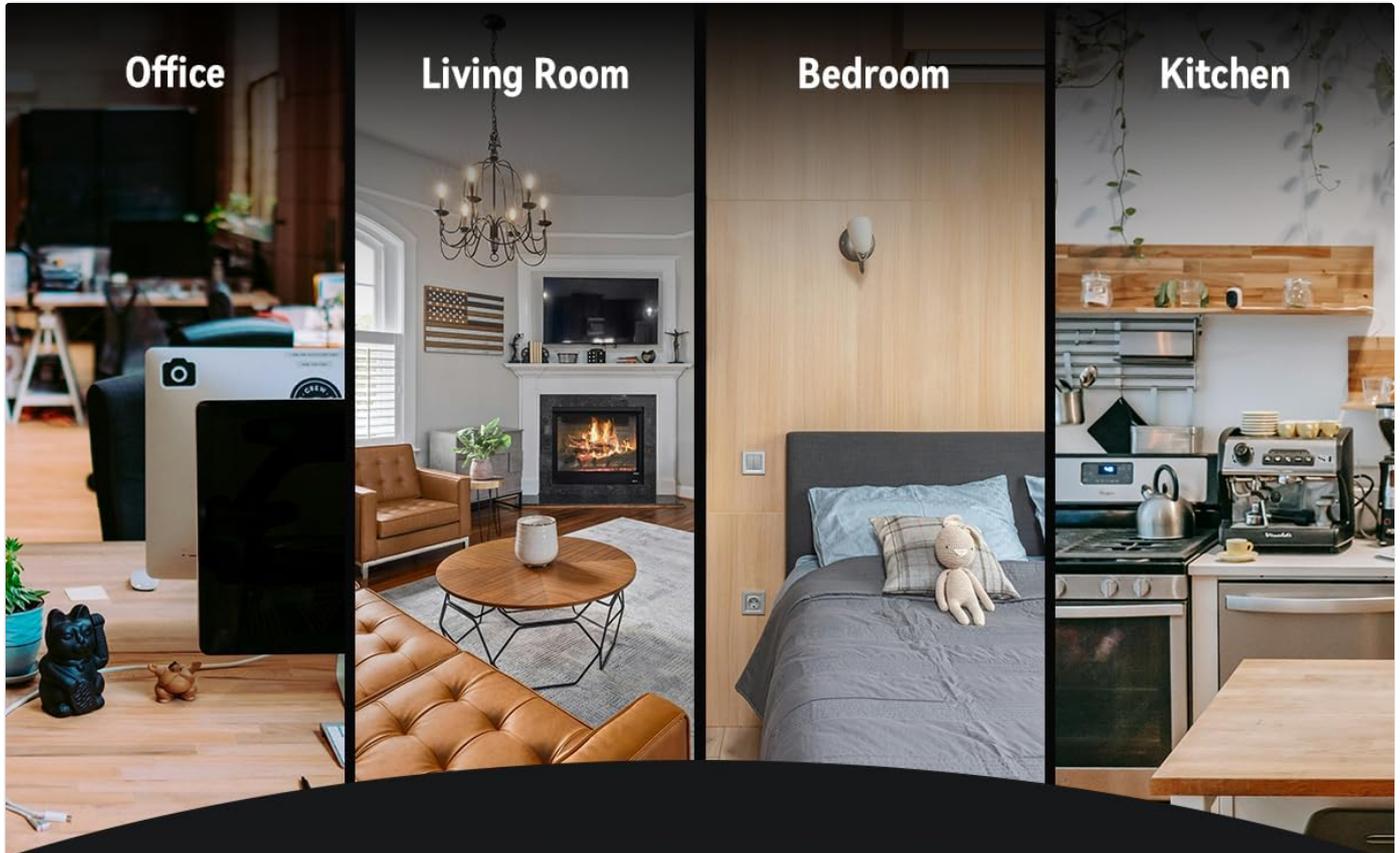
### Auto Power Off

To conserve battery life, the EMF meter will automatically shut down after 5 minutes of inactivity.

### Versatile Applications

The Wintact EMF Meter can be used to detect electromagnetic fields from a wide range of sources in various environments:

- **Home:** Check appliances like TVs, computers, microwave ovens, refrigerators, outlets, and light switches.
- **Office:** Monitor radiation from office equipment and workstations.
- **Outdoor:** Assess EMF levels in different outdoor settings.



## Wide Range of Applications

Measuring the radiation levels of electronic devices such as TV, microwave ovens, and induction cookers.



Collage showing the Wintact EMF Meter being used in different household and office settings to measure radiation levels from electronic

## Maintenance

### Cleaning

To clean the device, wipe it gently with a soft, dry cloth. Do not use abrasive cleaners, solvents, or immerse the device in water.

### Storage

Store the EMF meter in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, ensure the battery is partially charged (around 50%) to prolong its lifespan.

### Battery Care

The device uses a built-in Lithium Polymer battery. For optimal battery health:

- Avoid fully discharging the battery frequently.
- Recharge the device when the low battery indicator appears.
- Do not expose the device to temperatures above 122°F (50°C).

## Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	Low battery; device malfunction.	Charge the device for at least 30 minutes. If it still doesn't turn on, contact customer service.
Alarm constantly sounds or screen is red.	High EMF levels detected; device is too close to a strong source.	Move away from potential EMF sources. Long press the AVG/VPP button to turn off the audible alarm if desired.
Readings seem inaccurate or fluctuate wildly.	Interference; improper holding; device sensitivity.	Ensure you are holding the device correctly, away from your body as much as possible. Test in an area with known low EMF to calibrate your understanding of its sensitivity.
Display is dim or unreadable.	Low battery.	Recharge the device.

## Specifications

Feature	Specification
Model Number	WT3122
Electric Field Range	1 to 1999 V/m
Magnetic Field Range	0.01 to 99.99 $\mu$ T / 0.1 to 999.9 mG
Temperature Range	32°F to 122°F (0°C to 50°C)
Measurement Accuracy	1 V/m or 0.01 $\mu$ T / 0.1 mG

Feature	Specification
Battery Type	Lithium Polymer
Battery Capacity	600mAh
Power Source	Battery Powered (Rechargeable via USB)
Item Weight	6.3 ounces (178.6g)
Product Dimensions	5.28 x 2.4 x 0.98 inches (13.4 x 6.1 x 2.5 cm)
Material	Plastic
Color	Black with Red accents



Technical diagram illustrating the dimensions of the Wintact EMF Meter in both inches and millimeters.

## Warranty and Support

### Warranty Information

The Wintact EMF Meter comes with a 12-month warranty from the date of purchase, covering manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

### Customer Support

For any questions, technical assistance, or warranty inquiries, please contact our friendly 24/7 professional customer service team. Refer to the contact information provided on the product packaging or the official Wintact website.