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› Mastfuyi FY876 Digital EMF Tester User Manual

## Mastfuyi FY876

# Mastfuyi FY876 Digital EMF Tester User Manual

Model: FY876

## 1. INTRODUCTION

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Thank you for choosing the Mastfuyi FY876 Digital EMF Tester. This device is designed to accurately measure electromagnetic fields (EMF), electric fields, and ambient temperature. It features a wide frequency range, precise detection capabilities, and an alarm system to alert users to varying radiation levels. This manual provides essential information for the safe and effective operation of your EMF tester.

## 2. SAFETY INFORMATION

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- Read all instructions carefully before using the device.
- Do not attempt to disassemble or modify the device. This may cause damage and void the warranty.
- Keep the device away from water and high humidity environments.
- Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods.
- Use only the specified battery type (9V battery).
- Dispose of batteries according to local regulations.
- This device is for informational and detection purposes only and should not be used as a substitute for professional safety equipment or advice.

## 3. PRODUCT OVERVIEW

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The Mastfuyi FY876 is a versatile 3-in-1 EMF tester capable of measuring electric field strength, electromagnetic field strength, and ambient temperature. It is equipped with an LCD display, audible and visual alarms, and a flashlight function.

### Key Features:

- **Precise Measurement:** Detects electromagnetic fields from 0.1 to 199.9mG (0.01 to 19.99 $\mu$ T) with 0.1mG/0.01 $\mu$ T resolution, electric fields from 1 to 1999V/M with 1V/M resolution, and ambient temperature from 32-122°F (0-50°C).
- **Wide Frequency Range:** Measures frequencies from 5Hz to 3500MHz, covering most electronic product emissions.
- **Audible and Visual Alarm:** LED indicator changes color (Green < 4mG, Yellow 4-40mG, Red > 40mG) with an

increasing audible alarm sound as radiation intensity rises. The audible alarm can be disabled.

- **Multi-functions:** Includes data hold, maximum value measurement, one-key data lock, manual/automatic shutdown, safety value settings, and a large LCD display.
- **Automatic Shutdown:** Powers off automatically after 10 minutes of inactivity to conserve battery.
- **Compact Design:** Portable for various applications, including home inspection, office monitoring, outdoor use, and paranormal research.

### Component Identification:

Familiarize yourself with the different parts of your Mastfuyi FY876 EMF Tester:



Figure 3.1: Labeled diagram of the Mastfuyi FY876 Digital EMF Tester components.

# 3-IN-1 EMF TESTER

Measurement of Electric Field Strength,  
Electromagnetic Field Strength,  
Temperature



Hz

5Hz-3.5GHz

mG/ $\mu$ T

EMF Tester

V/M

ELECTRIC  
FIELD

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

TEMP



SOUND  
LIGHT ALARM



DATA HOLD



LOCK MAX



FLASHLIGHT

Figure 3.2: Overview of the 3-in-1 measurement capabilities and additional features.



Figure 3.3: Detailed view of the LCD display indicators.

## 4. SETUP

### 4.1 Battery Installation

1. Locate the battery cover on the back of the device.
2. Open the battery cover by sliding or unscrewing it.
3. Insert one 9V battery, ensuring correct polarity (+ and -).
4. Close the battery cover securely.

### 4.2 Initial Power On

After installing the battery, press the Power Button to turn on the device. The LCD display will light up, and the device will perform a brief self-test before entering measurement mode.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Power On/Off

- Press the **Power Button** (marked with ①) to turn the device ON.
- Press and hold the **Power Button** for approximately 2 seconds to turn the device OFF.
- The device will automatically shut down after 10 minutes of inactivity.

### 5.2 Mode Switching

Press the **Mode Switching Button** (marked with ② or 'SEL') to cycle through the measurement modes:

- **Electromagnetic Field (EMF) Measurement:** Displays readings in mG or  $\mu\text{T}$ .
- **Electric Field Measurement:** Displays readings in V/M.
- **Ambient Temperature Measurement:** Displays readings in  $^{\circ}\text{C}$  or  $^{\circ}\text{F}$ .

### 5.3 Reading the Display and Alarms

The LCD screen shows the current measurement value. The three-color signal indicator and audible alarm provide immediate feedback on radiation levels.

# THREE-COLOR SIGNAL INDICATOR

Different Intensity of Electromagnetic Radiation has Different Alarms

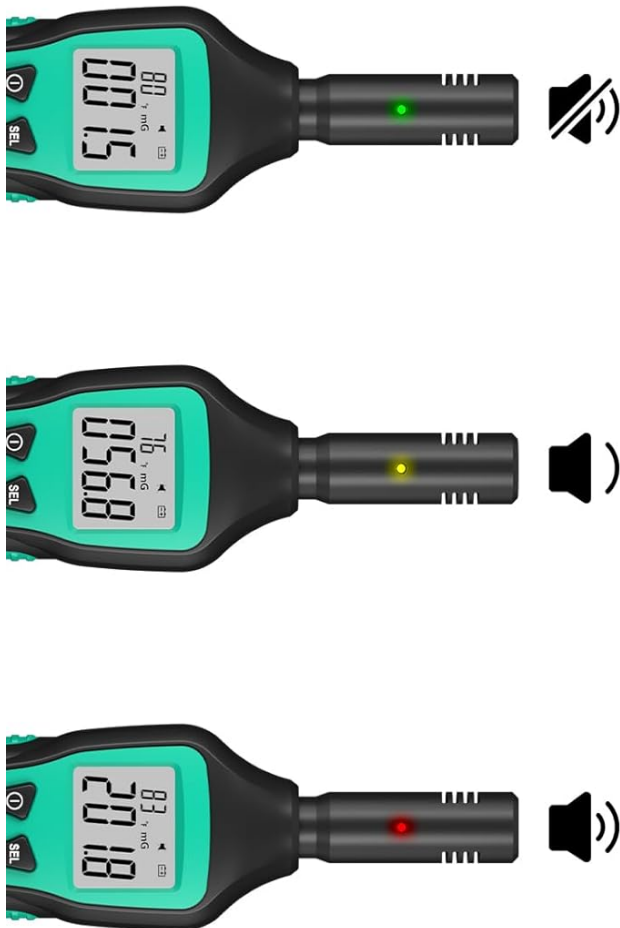


Figure 5.1: Three-color signal indicator and alarm levels.

- **Green Light:** Indicates electromagnetic radiation is below 4 mG (0.4  $\mu$ T).
- **Yellow Light:** Indicates electromagnetic radiation is between 4 mG and 40 mG (0.4  $\mu$ T and 4  $\mu$ T).
- **Red Light:** Indicates electromagnetic radiation is above 40 mG (4  $\mu$ T).
- The audible alarm sound increases with the intensity of radiation. To disable the sound, refer to the device settings (if available, typically a long press on the mode button or a dedicated sound button).

## 5.4 Data Hold and Max Measurement

- Press the **MAX/BL Button** (marked with 'MAX BL') briefly to toggle between current reading and maximum value hold. The 'MAX' indicator will appear on the display when showing the maximum value.
- To lock the current data on the screen, press the **Data Hold Button** (if separate, otherwise often integrated with MAX/BL or SEL).

## 5.5 Temperature Unit Switching

In temperature measurement mode, press the **Temperature Unit Switch Button** (marked with  $^{\circ}$ C/ $^{\circ}$ F or 'C/F') to switch

between Celsius (°C) and Fahrenheit (°F).

## 5.6 Flashlight Function

The device includes a built-in flashlight. Press the **Flashlight Button** (if dedicated, otherwise often a long press on MAX/BL) to turn the flashlight on or off.

## 5.7 Applications

The Mastfuyi FY876 EMF Tester can be used in various environments to detect electromagnetic radiation:



Figure 5.2: Wide range of applications for the EMF Tester.

- Detecting radiation from household appliances like induction cookers, refrigerators, and televisions.
- Monitoring electromagnetic fields from Wi-Fi signals, cell phones, and computers.
- Assessing radiation near power lines or wire towers.
- Auxiliary tool for paranormal research and ghost hunting.

## 6. MAINTENANCE

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### 6.1 Cleaning

Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.

### 6.2 Battery Replacement

When the low battery indicator appears on the LCD, replace the 9V battery promptly to ensure accurate readings. Follow the battery installation steps in Section 4.1.

### 6.3 Storage

Store the device in a cool, dry place, away from direct sunlight and extreme temperatures. If storing for an extended period, remove the battery to prevent leakage.

## 7. TROUBLESHOOTING

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- **Device does not power on:** Check if the 9V battery is installed correctly and has sufficient charge. Replace the battery if necessary.
- **Inaccurate readings:** Ensure the device is not near strong magnetic fields or other sources of interference that could affect its sensors. Calibrate if a calibration option is available (refer to advanced settings if applicable, not detailed in basic manual).
- **Alarm not sounding:** Check if the audible alarm has been disabled in the settings. Re-enable it if desired.
- **Display is dim or flickering:** This may indicate a low battery. Replace the 9V battery.

## 8. SPECIFICATIONS

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| Parameter                        | Value                                 |
|----------------------------------|---------------------------------------|
| Model Number                     | FY876                                 |
| Electromagnetic Field Range      | 0.1 - 199.9 mG (0.01 - 19.99 $\mu$ T) |
| Electromagnetic Field Resolution | 0.1 mG / 0.01 $\mu$ T                 |
| Electric Field Range             | 1 - 1999 V/M                          |
| Electric Field Resolution        | 1 V/M                                 |
| Temperature Range                | 32 - 122 °F (0 - 50 °C)               |
| Frequency Range                  | 5 Hz - 3500 MHz                       |
| Power Supply                     | 1 x 9V Battery                        |
| Automatic Shutdown               | 10 minutes of inactivity              |
| Product Dimensions               | 21.7 x 6.7 x 4.9 cm                   |
| Product Weight                   | 190 grams                             |

## 9. WARRANTY AND SUPPORT

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### 9.1 Warranty Information

The Mastfuyi FY876 Digital EMF Tester comes with an unconditional 48-month warranty from the date of purchase. This warranty covers manufacturing defects and ensures product quality.

### 9.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact Mastfuyi customer service. We provide 24-hour consultation services to ensure your satisfaction.

Please refer to the contact information provided with your purchase or visit the official Mastfuyi website for support details.

