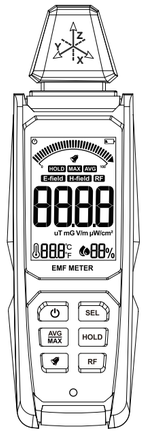
USER'S MANUAL

EMF METER



⚠ Please read this manual carefully before using this product,and keep it properly for future use!

Overview

1.Overview

This instrument is a digital high-frequency electromagnetic radiation one, a precision high-frequency electromagnetic sensor. It can accurately detect the electromagnetic radiation, electric field radiation of various electrical equipment and high-frequency radiation of base stations through microchip processing.

This instrument has the functions of convenient use, simple operation, dual display and buzzer alarm. It can measure electromagnetic radiation, electric field radiation and high frequency radiation, and is widely used in homes, offices, living areas, industrial equipment, high-speed rail, high-frequency signal base stations, etc.

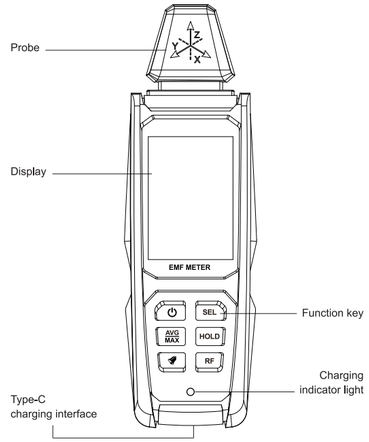
1.1.Safety/security information

⚠	Before operating or maintaining this instrument, please read the following information carefully and use the instrument according to the instructions.

* After storage and shipment in harsh environment, check and confirm whether the instrument is damaged.
* The instrument shall work within the specified environmental temperature and humidity range.
* When using the instrument, if there is any abnormality or failure, please stop it.
* Do not store or use the instrument in direct sunlight, high temperature and humid environment.
* Non-professional maintenance personnel are forbidden to open, adjust or repair this instrument.

Components

2. Components



Keys

2.1 Keys



Symbol	Description
⏻	Power
SEL	Function selection key
AVG/MAX	Average value and maximum value selection key
HOLD	Data hold key
🔔	Ring key
RF	High-frequency signal selection key

The display

3. The display



Symbol	Description	uT	uT
🔋	Battery indication	mG	mG
⏻	Automatic shut-down	V/m	V/m
	Analog display	uW/cm²	uW/cm²
AVG	Average value	🌡	Temperature
MAX	Maximum value hold	°C	Degree celsius
HOLD	Data hold	°F	Fahrenheit
RF	Radio frequency	💧	Humidity
H-field	Magnetic field	%	Percentage
E-field	Electric field	🔔	Ring

Technical parameters

4.Technical parameters

Operation altitude	2000m
Measurement method	Electromagnetic induction, RF receiving sensor
Display	VA reverse display color screen
Maximum display	9999
Sampling rate	About 0.4 seconds
Measuring range	V/m：0～999/uT:0.00～19.99/ mG：0.0～199.9/ uW/cm²:0.0～9999
Measuring bandwidth	30MHz～8GHz
Resolution ratio	V/m：1/uT：0.01/ mg：0.1/ uW/cm²0.1 /0.1°C/0.2°F/1%RH
Type of alarm	Sound, analog bar
Automatic shut-down	About 15 minutes
Operation current	About 50mA
Charging interface	USB Type-C
USB charging	5V/1A
Power supply	18650/2000mA/3.7v lithium battery
Charging time	About 4 hours
Temperature measuring range	0～50°C
Humidity measuring range	0～90%RH
Working temperature and humidity	0～50°C/0～90%RH
Storage temperature and humidity	-10～60°C/0～80%RH
Size	204×63×32mm
Weight	About 220g

How to use

5.How to use

5.1 (⏻) Long press the key to turn the unit on or off.

5.2 High-frequency signal radiation measurement: short press the RF key to display “RF” to enter the high-frequency signal radiation measurement mode, which can measure the high-frequency signal radiation of the base station from 30 MHz to 8 GHz.

5.3 E-field radiation measurement: Short press SEL key to display “E-field” to enter the electric field radiation measurement mode, which can measure the electric field radiation value of electrical equipment.

5.4 Electromagnetic field radiation measurement: short press the SEL key to display “H-field” to enter the electromagnetic field radiation measurement mode. Short press the SEL key again to change the electromagnetic field radiation measurement unit (mG→uT) to measure the electromagnetic radiation value of electrical equipment.

5.5 HOLD data hold key: short press to lock or unlock the data.

5.6 AVG/MAX key: short press to select MAX→AVG→Cancel.

5.7 (🔔) Short press to turn on or off the ring, and long press (🔔) to select °C/°F.

Analog digital comparison table

5.8 Cancel the automatic shutdown function: press the HOLD key+Power key to start the unit when it is turned off. Release the key when the screen is lit, the automatic shutdown symbol (⏻) in the upper left corner of the display disappears, and the automatic shutdown function has been canceled. Restart after manual shutdown to restore the automatic shutdown function.

5.9 Hold the instrument in hand, and slowly close the probe to the radiation source. When the radiation value is displayed on the screen and the analog display reaches the yellow area, the instrument starts to give an audible alarm prompt, indicating that the radiation exceeds the standard, please take protective measures or keep it away from the radiation source.

6. Analog digital comparison table

Unit analog display	Green	Yellow	Red
Beep alarm	slow	compact	rapid
uW/c㎡	0.0~9.9	10~39.9	40~9999
V/m	0~9	10~399	400~999
mG	0.0~1.1	1.2~39.9	40.0~199.9
uT	0.00~0.11	0.12~3.99	4.00~19.99

Charging/Accessories

7. Charging

7.1 Please use an adapter that meets the relevant safety certification requirements to charge in an environment with good ventilation and heat dissipation, and pay attention to the safety regulations for electricity use.

7.2 When the screen appears (🔋), the battery is insufficient. Please charge the unit as soon as possible. The charging period is about four hours.

7.3 When the instrument is charging, the indicator light turns red. When the charging is completed, it turns green, indicating that the battery is fully charged. Please unplug the charging plug in time and do not charge for a long time.

7.4 During the charging process, the instrument will automatically turn off and cannot be started, and it can be used normally after the charging is completed or when the charging is stopped.

8. Accessories

①. High-frequency radiation detector	1
②. USB Type-C charging cable	1
③. Product manual	1
④. Cloth bag	1

USER'S MANUAL

CE RoHS M101040079

⚠ Please read this manual carefully before using this product,and keep it properly for future use!

要求：折页120g铜版纸

尺寸：450x120mm