英语

USER MANUAL

MADE IN CHINA

CE RoHS M101040093 A2

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

USER MANUAL

EMF METER



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

120*90mm

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 Security Information

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

*After storing and shipping in harsh environments, check and confirm if the instrument is damaged.

*The instrument should operate within the specified range of environmental temperature and humidity.

*If any abnormalities or malfunctions occur during use, the instrument should be stopped.

Structure Name

*Do not store or use the instrument in direct sunlight, high temperature, or humid environments.

*Non professional maintenance personnel are prohibited from opening, adjusting or repairing this instrument.

*If the instrument is covered with dust, please use a clean, damp, dust-free cloth to wipe it. Do not use solvents or abrasives for cleaning.

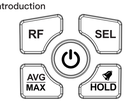
2. Structure Name



Serial number	Describe
①	Probe
②	Display
③	Function key

Button Introduction

3. Button introduction



Symbol	Describe
⏻	Power button
SEL	Function conversion key
AVG/MAX	Conversion keys for average and maximum values
HOLD/🔔	Data lock key/ringtone on key
RF	High frequency signal conversion key

4. Display introduction



Display introduction

Symbol	Describe
	Battery indicator
	Automatic shutdown
	Simulated display
AVG	Average value
MAX	Maximum value locking
HOLD	Data locking
RF	Radio frequency
H-field	Magnetic field
E-field	Electric field
uT	uT
mG	mG
V/m	V/m
uW/c㎡	uW/c㎡
	Temperature
℃	Centigrade
℉	Fahrenheit degree
	Humidity
%	Percentage
	Ringtone

Technical parameters

5. Technical parameters

Working height	2000m	
Measurement method	Electromagnetic induction, RF receiving sensor	
Display	1/A reverse display color screen	
Maximum display	9999	
Sampling rate	About 0.4 seconds	
Measuring range	RF	uW/c㎡:0.0~9999
	E-field	V/m:0~999
	H-field	uT:0.00~19.99
		mG:0.0~199.9
	Temperature	0~50℃
	Humidity	0~99%RH
Test bandwidth	RF	30MHz~8GHz
	H-field	40Hz~100KHz
	E-field	
Precision accuracy	Temperature	±1.5℃
	Humidity	±5%RH(No condensation environment)
Resolving power	V/m：1uT：0.01/ mg：0.1/ uW/c㎡:0.1/0.1℃/0.2 ℉/1%RH	
Alarm method	Sound, analog strip	
Automatic shutdown	About 15 minutes	
Working current	Approximately 45mA	
Working temperature and humidity	0～50℃/≤90□RH	
Storage temperature and humidity	-10～60℃/0～80%RH	
Dimensions	170×70×33mm	
Weight	About 165g without battery	

Instructions

6. Instructions

6.1（⏻）Press and hold the power button to turn on or off.

6.2 High frequency signal radiation measurement: Short press the RF button and the screen will display "RF" to enter the high-frequency signal radiation measurement mode, which can measure the high-frequency signal radiation of base stations from 30MHz to 8GHz.

6.3 Electric field radiation measurement: Short press the SEL button and the screen will display "E-field" to enter the electric field radiation measurement mode, which can measure the electric field radiation value of electrical equipment.

6.4 Electromagnetic field radiation measurement: Short press the SEL button and the screen will display "H-field" to enter the electromagnetic field radiation measurement mode. Short press the SEL button again to convert the electromagnetic field radiation measurement unit (mG→uT)) to measure the electromagnetic radiation value of electrical equipment. Press and hold the "SEL" key to convert from Celsius to Fahrenheit.

6.5 HOLD Data lock key: Short press to lock or unlock data,（🔔）Press and hold to turn on or off the alarm ringtone.

Instructions

6.6 AVG/MAX Key: Short press to convert.MAX → AVG → Cancel.

6.7 Cancel automatic shutdown function:Press the HOLD key and power button to turn on the device while it is turned off. Release the button when the screen lights up.Upper right corner of the monitor.（⏻）The automatic shutdown symbol disappears.and the instrument has canceled the automatic shutdown function. Manually shut down and restart to restore the automatic shutdown function.

6.8 Hold the instrument and slowly approach the radiation source with the probe. When the screen displays the radiation value and the simulated display reaches the yellow area, the instrument starts to sound an alarm prompt, indicating that the radiation exceeds the standard and protective measures should be taken or the radiation source should be kept away.

Analog digital comparison table/Accessories

7. Analog digital comparison table

Company simulated display	Green	Yellow	Red
Beep alarm	Nothing	Compact	Rapid
uW/c㎡	0.0~39	40~99.9	100~9999
V/m	0~39	40~399	400~999
mG	0.0~3.9	4.0~39.9	40.0~199.9
uT	0.00~0.39	0.40~3.99	4.00~19.99

8. Accessories

High frequency radiation detector	1
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