

Introduce

Electromagnetic radiation tester successful electric field radiation, magnetic field radiation compatibility test and achieve the best test effect, used to test and understand the status of electromagnetic radiation indoor and outdoor environment. Product built-in electromagnetic radiation sensor, through the microcontrol chip processing, to LCD digital display radiation value. According to the test results, electromagnetic radiation should be treated reasonably or avoided effectively.

Electromagnetic radiation can cause effects and damage to the human body:

1. It is one of the causes of leukemia in children;
2. Can induce cancer and accelerate the proliferation of cancer cells in the human body;
3. Causing direct damage to the human reproductive system, nervous system, and immune system;
4. It can lead to intellectual disability in children, affecting their tissue development, skeletal development, and decreased vision;
5. Causes a decrease in liver hematopoietic function, and in severe cases, can lead to retinal detachment;
6. It is the main inducement of cardiovascular disease and diabetes;
7. It has a negative impact on people's visual system. In addition, high-dose electromagnetic radiation can also affect and damage the existing biological current and magnetic field in the human body, causing abnormalities in the existing electromagnetic field in the human body. Elderly people, children, and pregnant women are sensitive to electromagnetic radiation.

Artificial electromagnetic radiation sources include

all electrical equipment, and paying attention to protection and reasonable use of household appliances can effectively prevent and reduce electromagnetic radiation.

Functional features

The electromagnetic radiation tester has the following characteristics:

- One machine, three uses, simultaneously detect electric field, magnetic field radiation and temperature;
- Dual color backlight display;
- Sound and light alarm, automatic alarm beyond the safety value;
- Data lock, one key lock radiation value;
- LCD graphics display radiation trend;
- Radiation assessment, intimate reminder of the Current radiation level is safe;
- Stylish, easy to operate with one hand, easy to move or Field measurement.

Scope of application

- Electromagnetic radiation monitoring: Home, office, outdoor, industrial.
- Electromagnetic radiation detection: Mobile phone, computer, TV, refrigerator, high voltage line radiation detection;
- Inspection of radiation protection articles: Test the effect of protective equipment such as radiation protective clothing and radiation protective film.

Index of the radiation

X ray radiation index: ★★★★★

Hair dryer radiation index: ★★★★★

Radiation index of electric blanket: ★★★★★

Microwave radiation index: ★★★★★

Radiation index of computer monitor and host

computer: ★★★

Mobile phone Radiation Index: ★★

Television radiation index: ★★

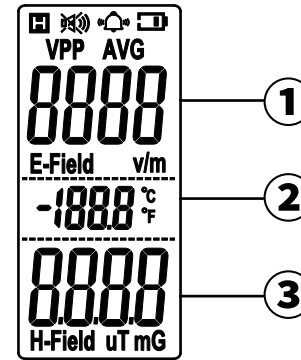
Keyboard and mouse radiation index: ★

Radiation index of copier and printer: ★

Safety check radiation index: ★

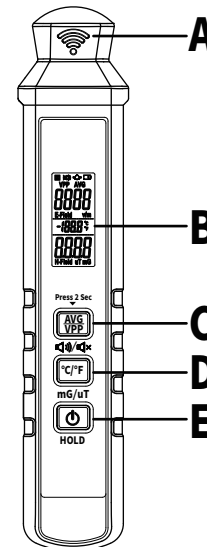
LCD display and button function

LCD full screen display: see the following Figure



1. electric field (unit : v/m)
2. temperature (unit : °C/°F)
3. magnetic field (unit : uT/mG)

Component name: see the following figure



- A. Front-end induction detection area
- B. LCD display
- C. Average/peak mode ToggleKeys
- D. Unit ToggleKeys
- E. Power on/HOLD key

Instructions for

1. ON/OFF;

Long press the on/off button to turn on the machine, and the full screen display will take about 1 second before displaying the current electric and magnetic field measurement values. After turning on the machine, long press the on/off button to turn off the machine. Without any button operation, the meter will shut down after 5 minutes.

Note: Due to the possible interference of electromagnetic field in the environment, the instrument may have a small reading when starting up, which is not the fault of the instrument.

2. Measure;

handheld instrument, the front end of the induction area slowly close to the electromagnetic radiation source to be measured, such as the actual radiation value in the instrument test technical indicators, the instrument will have a value Display; If the instrument does not read, the electromagnetic radiation value of the source is less than the machine's minimum reading of 1V/m or 0.01pt. Note: When measuring electric field/magnetic field, the red indicator light on the front probe lights up and the buzzer sounds, and the display screen displays different simulation bars and test parameters according to the size of the test value. Exceeding alarm threshold (electric field: 40V/m; Magnetic field: 0.4 μ T), the instrument will sound, light, screen display at the same time.

Note: For long-distance measurement of high.

3、 Hold key;

During measurement, the instrument reading will be locked by pressing the HOLD key, and the "H" symbol will be displayed on the screen.; Short press again to resume normal measurement, the "H" icon will no longer be displayed.

4、 Average/Peak mode;

After turning on, short press the "AVG/VPP"keys to switch between average mode or peak mode. The average mode displays the "AVG" icon, while the peak mode displays the "VPP" icon.

Note: AVG (average) VPP (peak value)

5、 Buzzer switch;

After powering on, long press the "AVG/VPP" button to turn on or off the buzzer. The "🔊" icon will be displayed on the screen when the buzzer is turned on.

6、 Unit switching;

After turning on the machine, short press the "°C/°F" button to switch between temperature units of °C or °F; Long press the "°C/°F" button to switch between magnetic field units uT or mG. When the average or peak value is $\geq 40V/m$, the machine buzzer emits a red backlight. When the magnetic field is $\geq 0.4uT$, the machine buzzer sounds. Bright red backlight. When the magnetic field is $\geq 4mG$, the machine buzzer sounds. Bright red backlight.

7、 Lack of power indication;

When the display screen shows "🔋", please replace the battery in a timely manne.

Technical parameters

	Electric field	Magnetic field
Unit	V/m	μT
Precisi	1V/m	0.01 μT
Range	1V/m-1999V/m	0.01 μT -99.99 μT
Alarm threshold	40V/m	0.4 μT
Reading showed	3-1/2 LCD	
Test the bandwidth	5Hz-3500MHZ	
Samplig time	About 0.4 seconds	
Test mode	Dual mode with measurement	
Overload prompt	LCD display range maximum value	
Operating temperatu	0°C~50°C	
Operating humidity	$\leq 80\%RH$	
Working voltage	3V	
power	2X1.5AAA battery	
Size	150X33X26.5mm	
Weight	76g	

Reference criteria:
 Gb8702-1988 Electromagnetic Radiation Protection Regulatios
 HJ/T10.3-1996 Environmental impact Assessment method of electromagnetic radiation and Standard
 GB9175-88 environmental electromagnetic wave health standard

Special declaration:
 The Company shall not be liable for any derivative results resulting from the Use of the Product; The company reserves the right to change the product design and specifications, if any Change without notice!