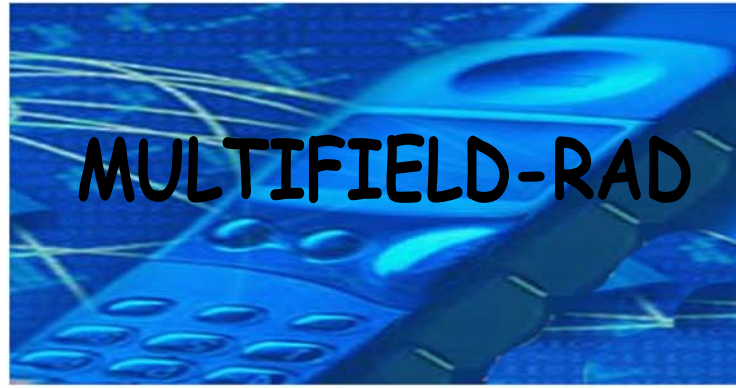


# GEIGER-MÜLLER COUNTER RADIATION Gamma-Beta-Xray & Dose rate RF STRENGTH METER 50MHz to 3500 MHz



## Introduction:

The Multifield-Rad survey meter can measure in a single device and in same time the following radiations:

- Electromagnetic field high frequency from 50MHz to 3500 MHz (displayed in V/m, W/m<sup>2</sup>, µW/cm<sup>2</sup>, mA/m or dBm).
- Gamma, Beta, X-Ray radiation from 10KeV to 1,25MeV (displayed in µS/h or µRem/h).
- Gamma, Beta, X-Ray radiation dose rate with recording mode.

In electrosmog meter mode it can detect electromagnetic field high frequency with a range of -46dBm to +16dBm or 0,1V/m to 14V/m with a resolution of 2dB / 0,2mV/m for measurement of Wifi, Bluetooth, cellular or DECT phone, emitters, etc...

In radiation monitor mode this device is useful in monitoring the environment home safety, nuclear, medical, mining and metal industries thanks to its Geiger-Müller tube. The measurement can be displayed in µSievert/h or µRem/h with a range of 0,05µS/h to 40 µSv/h (or 5µRem/h to 4000 µRem/h). Data dose rate measure recording may be configured with the device. Measurements are displayed on a graphic TFT monitor with data hold functions, low battery indicator, alarm setting, historical records, bar-graphs to see quickly the power of each measurement of radiation simultaneously. It is an excellent device, high sensitivity, for living environments or industrial environments.

## Features (geiger counter):

Measurement : Gamma, Beta, X-Ray.  
Units : MicroSievert/h (µS/h) or MicroRem/h (µRem/h).  
Range : 0,05µSv/h to 39,99µSv/h or 5µRem/h to 3999µRem/h.  
Accuracy : +/-15% (Cesium 137). Resolution of 0,01µSv/h or 1µRem/h.  
Energy dependency Gamme: 10KeV to 1,25 Mev.  
Energy dependency Beta: 25KeV to 3,50MeV  
Energy dependency X-Ray: 3KeV to 3,00MeV.  
Simple rate : 10 seconds or 40 seconds.  
Sensor: geiger-müller tube

## Features(Dose rate):

CPM: 0~1999  
CPS: 0~212  
Dose logger interval: 1 to 999 days.

## Features (RF strength meter):

Measurement: electromagnetic RF field.  
Units: W/m<sup>2</sup>, µW/cm<sup>2</sup>, mA/m, dBm, V/m.  
Range: 50MHz to 3500MHz.  
Accuracy: +/-2dB at 2,45GHz  
Resolution: 2DB or 0,2mV/m.  
Sample rate: 10 seconds.  
Measurement range: -46dBm to 16dBm.  
Measurement range: 36mV/m to 14V/m.

## Features (General):

2,4 inch color TFT with baregraph display.  
Data hold. Alarm. Low battery indication.  
Battery life : approximate 10 hours.  
Operation temperature : 0°C to +50°C  
Storage temperature : -20°C to +60°C

## Hardware & Electrical specifications:

Dimensions device : 115 x 60 x 31mm. Weight : 175g.  
Dimensions package : 160 x 150 x 40mm. Weight : 290g.  
With 1 alkaline battery 9V type 6F22 (include).  
It can be powered by USB mini-B (5 pins) connection, user's external power supply (voltage = 5.0V DC, current = 500mA).

## Item includes:

- Tester.
- A carrying case.
- Alkaline battery 9V type 6F22.
- User manual in English and French.