

ELECTROSMOG TESTER WITH MAGNETIC (1Hz TO 110Hz) AND ELECTRIC (3Hz TO 300KHz) LF SENSORS AND ELECTROMAGNETIC FIELDS RF SENSOR FROM 10MHz TO 6GHz WITH RECORD FUNCTION



FIELDEXPLORER-1



Introduction:

The FieldExplorer can make measurements of the next magnetic, electrical and electromagnetic fields:

- Magnetic field LF from 1 Hz to 110 Hz with a 3 axis sensors. Measurements into mGauss or μ Tesla from 1mG to 8000 mG.
- Electrical field LF from 3 Hz to 300 KHz with 3 ranges (3KHz/150KHz/300KHz). Measurement from 1V/m to 500 V/m.
- Electromagnetic field RF (10MHz to 6GHz). Measurement into W/m², μ W/cm², mA/m, dBm, V/m, from 0,20V/m to 14,0V/m.

It can measure Low Frequencies fields such as electricity radiations situated into a house and electrical devices radiations, as well as high-voltage cables radiations outside or radiations provided from transformers, and so on... It can also measure High Frequencies fields such as Wifi radiations, mobile phones with 2G/3G/4G/5G radiations, DECT phones radiations, radio/TV transmitters radiations, microwave ovens radiations, Bluetooth radiations, and so on... It can be possible to record as many as 24 hours of measurements into its Flash inside memory. (If necessary, it can be powered by an external power supply with Mini-USB connection). And then data are downloaded on your computer using graphic software supplied with the product. It is provided with digital color screen allowing an intuitive use of different device menus. For every type of measurement, a last 200 measures graphic is displayed on the screen.

Functions Data-Hold, Data-Hold-Max, Units of measurement and LF/RF Record function (Stop/Start) are directly opened into each menu. The FieldExplorer is an excellent device to measure radiations 3 into 1, provided with ARM4 processor allowing quick measurements going from 110 to 8192 samples per second according to selected configuration.

Features:

- 3 measurement in one meter : magnetic field LF with triple axis, electric field LF, electromagnetic field RF.
- Magnetic field LF (1 à 110Hz). Units: Gauss (mG) or Tesla (μ T). Triple axis sensors. Range: 1 to 8000 mG or 0,1 μ T to 800 μ T.
- Electric field LF (3Hz to 300KHz in 3 ranges). Units: V/m. Measurement: 1V/m to 500 V/m.
- Electromagnetic field RF (10MHz to 6GHz). units: W/m², μ W/cm², mA/m, dBm or V/m. Range: 0,20 to 14,00 V/m.
- Display : touch screen 3,2 inches, color TFT LCD, resolution: 240x320.
- Sample rate: until 8192 samples per second in capture mode.
- Buzzer alarm: on/off.
- Data-Hold and Data-Hold-Max function.
- Low battery indication.
- Battery life: approximate 12 hours.
- Operation temperature: +5°C to +40°C. Humidity: < 80% RH.
- Storage temperature: -10°C to +60°C. Humidity: <70% RH.

Hardware & Electrical specifications:

- Dimensions device: 75 x 110 x 43mm. Weight: 170g.
- Dimensions package: 160 x 110 x 75. Weight: 390g.
- With 4 alkalines battery 1,5V de type AA LR6 (include).
- The device can be powered via USB mini-B (5 pins) connection, user's external power supply (voltage = 5.0V DC, current = 500mA)

Item includes:

- Tester.
- USB-A MiniUSB-B cable.
- CD-ROM with PC software.
- 4 batteries 1,5V type AA (LR6).
- User manual in English and French.

