

ARW 1394

For order 220121497

EMF (electro magnetic field) Detector for low-frequency

The meter of magnetic fields (EMF) ARW 1394 is designed to provide users a quick and easy measurements of the levels of electromagnetic pollution produced by power lines, electrical equipment and all devices operating with a bandwidth from 30Hz to 2000Hz.

- The detection field includes the current industrial 50/60Hz and their harmonics also
- Equipped with 2 selectable units of measure "micro Tesla & milli Gauss"
- Complete with RS-232 interface and software.
- Datalogging with 999 records stored
- Range: 20/200/2000 milli Gauss 2/20/200 micro Tesla
- Functions Data hold, Peak hold
- Easy to use
- Functions of min / max.
- Three axes Measures (X, Y, Z)

TECHNICAL FEATURES

Display	3-1/2 digits, maximum indicating 1999digits
Measuring range	20/200/2000 milli Gauss 2/20/200 micro Telsa
Resolution	0.01/0.1/1 milli Gauss 0.001/0.01/0.1 micro Telsa
Methods of measurement	triaxial (X,Y,Z)
Band width	30Hz ÷ 2000Hz
Accuracy	±(3% + 3d) at 50Hz or 60Hz ±(5% + 3d) at 40Hz to 200Hz -3dB at 30Hz to 2000Hz
Over range	the display shows the message "OL"
Data memory	999 reads
Sampling time	approx. 0.5 sec.
Power supply	6 batteries AAA 1.5V
Autonomy	approx. 100 hours
Operating conditions	0-50°C (32-122°F) with humidity below 80% RH
Storage conditions	-10 ÷ 60°C with humidity below 70% RH
Weight	approx. 165g
Size (LxWxH)	154 x 72 x 35 mm
Accessories included	instructions - batteries - software Windows cable RS-232



EMF (electro magnetic field) Detector for High-frequency

ARW 92

For order 220121452

The electromagnetic fields interact with the human body and in some cases can be harmful. In this regard, with the various laws introduced in these last few years have been set limit values for exposure of the population are compatible with human health. In this context of prevention and safety, we propose a tool able to measure electromagnetic fields bandwidth of 50MHz to 3.5 GHz. The apparatus of small size, is equipped with a probe integrated Isotropic, capable of measuring electric fields from 38mV/m to 110V / m with a power density from 3.8µW/m² to 320 W/m².

Suitable for measuring electromagnetic fields generated by artificial sources, such as: mobile phone, cordless phones, radar, microwave ovens, TV antennas, radio stations, wireless sources (CW, TDMA, GSM, DECT), spy equipment, bugs and any other source of pollution at high frequency.



- Sensor Type: electric field (E)
- Frequency range (broadband): 50MHz ÷ 3.5GHz
- Measurement: isotropic, Three-axial
- Measuring range: 38mV / m to 110V / m ÷ 3.8µW/m² 320mW/m²
- Absolute error (@1V/m e 50MHz): +/- 1.5dB
- Frequency Response: +/- 1.0dB (50MHz÷1.9GHz)
+/- 2.4dB (1.9MHz÷3.5GHz)
- Deviation of isotropy: typical +/-1.0dB alla frequenza di 50MHz
- Deviation of isotropy: typical +/-1.0dB at a frequency of 50MHz
- Notes: Unless otherwise specified, take the following hypothesis: Measuring directing the probe towards the source pointing to the following conditions; environment temperature +23 °C (+/- 3 °C), humidity 25% to 75% RH
- Method of measurement: three axes (x-y-z)
- Display Resolution: 0.1mV / m, 0.1µA / m, 0.001µW/m²
- Setting time: 1sec typical. (0 to 90% of measured value)
- Display update: 400ms
- Display: 4 digit LCD
- Audible alarm buzzer
- Units of measure : mV/m, V/m, uA/m, mA/m, W/m², mW/m²
- Values measured: display of actual value and storing the maximum and average (AVG)
- Average measuring time: 4s ÷ 15min.
- Alarm function: programmable threshold
- Data storage: 99 values (visible only from the instrument)
- Battery: 9V
- Battery Life: Approximately 15 hours
- Included Accessories: Battery, case and user manual