



9810

Electrical Specifications

Sensor Type	Electrical Field (E)
Frequency Range	10MHz to 8GHz
Directional Characteristic	Isotropic, triaxial
Measurement Range CW signal (F > 10MHz)	20mV/m to 108.0V/m, 53µA/m to 286.4mA/m, 1µW/m ² to 30.93W/m ² , 0µW/cm ² to 3.093mW/cm ²
Dynamic Range	Typically 75dB
Absolute Error (at 1V/m and 10MHz)	± 1.0dB
Frequency Response (Taking into Account Typical CAL Factor)	± 1.0dB (10MHz to 1.9GHz), ± 2.4dB (1.9GHz to 8GHz)
Isotropy Deviation	Typically ±1.0dB for f > 10MHz
Overload Limit	10.61mW/cm ² (200V/m)
Temperature Response (0 to 50°C)	± 0.5dB

Features

- Frequency Range 10MHz to 8.0GHz
- Triaxial Isotropic Measurement of EMF
- Non-Directional (Isotropic) Measurement with Three-Channel Measurement Sensor
- High Dynamic Range
- Configurable Alarm Threshold and Memory Function
- Easy & Safety to Use

Applications

- High Frequency (RF) Electromagnetic Wave Field Strength Measurement
- Mobile Phone Base Station Antenna Radiation Power Density Measurement
- Wireless Communication Applications (CW, TDMA, GSM, DECT)
- RF Power Measurement for Transmitters
- Wireless LAN (Wi-Fi) Detection, Installation
- Spy Camera, Wireless Bug Finder
- Cellular / Cordless Phone Radiation Safety Level
- Microwave Oven Leakage Detection
- Personal Living Environment EMF Safety

General Specifications

Measurement Method	Digital, Triaxial Measurement
Directional Characteristic	Isotropic, Triaxial
Measurement Range Selection	One Continuous Range
Display Resolution	0.1mV/m, 0.1µA/m, 0.1µW/m ² , 0.001µW/cm ²
Setting Time	Typically 1s (0 to 90% of Measurement Value)
Display Refresh Rate	Typically 0.5 Seconds
Display Type	LCD 4 Digit
Audible Alarm	Buzzer
Measurement Units	mV/m, V/m, µA/m, mA/m, µW/m ² , mW/m ² , W/m ² , µW/cm ² , mW/cm ²
Measurement Display Value	Instantaneous Measured Value, Maximum Value, Average Value or Maximum Average Value
Measurement Alarm Function	Adjustable Threshold with ON/OFF
Calibration Factor CAL	Adjustable
Manual Data Memory and Read Storage	99 Data Sets
Battery	9V x 1
Battery Life	> 3 Hours
Dimensions	67 x 60 x 247 mm (approx.)
Weight	250gms Including Battery(approx.)
Accessories	Battery (installed), Carrying Case x 1 & Instruction Manual x 1