

## FEATURES:

- Frequency range 10 MHz to 8.0 GHz
- 3 axis isotropic measurements of EMF
- Non-directional (isotropic) measurements with three channel measurement probe
- 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



## ELECTRICAL SPECIFICATIONS:

Sensor type	: Electric field (E)
Frequency range	: 10 MHz to 8 GHz
Measurement range (CW signal>10MHz)	: 20 m V /m to 108.0V/m 53mA/m to 286.4mA/m 1 $\mu$ W/m <sup>2</sup> to 30.93 W/m <sup>2</sup> 0 $\mu$ W/cm <sup>2</sup> to 3.093m W/cm <sup>2</sup>
Absolute error (@1 V/m and 10 MHz)	: $\pm$ 1.0 dB
Frequency response (taking into account type CAL factor)	: $\pm$ 1.0 dB (10 MHz to 1.9 GHz) $\pm$ 2.4 dB(1.9 GHz to 8 GHz)
Isotropy deviation	: Type. $\pm$ 1.0dB @ F> 10 MHz
Overload limit	: 10.61 mW/cm <sup>2</sup> (200 V/m)
Temperature response (0 to 50 <sup>0</sup> C)	: $\pm$ 0.5 dB

## GENERAL SPECIFICATIONS:

Measurement method	: Digital, triaxial measurement
Directional characteristic	: Isotropic, triaxial
Measurement range selection	: One continuous range
Display resolution	: 0.1 m V/m, 0.1 $\mu$ A/m, 0.1 $\mu$ W/m <sup>2</sup> , 0.001 $\mu$ W/cm <sup>2</sup>
Setting time	: Typically 0.5 Sec.
Display type	: LCD 4 digit
Audible alarm	: Buzzer
Measurement units	: M V/m, V/m, $\mu$ A/m, mA/m, $\mu$ W/m <sup>2</sup> , mW/m <sup>2</sup> , $\mu$ W/cm <sup>2</sup>
Measurement display value	: Instantaneous measured value, maximum value, average value or maximum average value
Measurement alarm function	: Adjustable threshold with ON/OFF
Measurement calibration factor CAL	: Adjustable
Manual data memory and read storage	: 99 sets (only recall by meter)
Battery	: 9V
Battery life	: >15 hours
Dimensions	: Approx. 67 (W) x 60(T) x 247(L) mm
Weight	: Approx. 260g (including battery)
Accessory	: 9V battery, carrying case, manual