

# EMF85 8GHz Triple Axis EMF Meter

**Designed for wide-band monitoring of high frequency radiation from 50MHz to 8GHz**

## Features:

- Non-directional measurement with built-in 3-axis (XYZ) probe
- Readout in 3 units of measure:  $\mu\text{W}/\text{m}^2$ ,  $\text{mW}/\text{m}^2$ ,  $\text{W}/\text{m}^2$ ,  $\mu\text{W}/\text{cm}^2$ ,  $\text{mW}/\text{cm}^2$ ,  $\text{mV}/\text{m}$ ,  $\text{V}/\text{m}$
- Displays Actual, Average, Max and Max Average measurements
- Easy-to-read color LCD display with 4 brightness levels
- Programmable high alarm
- Manually store/recall up to 10,000 points
- Historical data can be viewed on the display arranged in order of record and time
- USB interface for transferring recorded data to your PC in csv format
- Includes rechargeable 3.7V Li-ion battery, USB cable, and soft carrying case
- 1 year warranty

## Applications:

- Measurement of electromagnetic radiation intensity of cellular phone base station antennas
- Wireless communication applications (CW, TDMA, GSM, DECT)
- Safe use of RF high frequency electromagnetic waves
- RF High Frequency Transmitter Power Measurement
- Wireless Network (Wi-Fi) Detection, Installation
- Wireless pinhole camera and eavesdropper detection
- Electromagnetic Radiation Intensity Measurement for Home Radio Telephone
- Detection of radiation leakage from microwave ovens
- Evaluation of electromagnetic wave safety in company or home environment



## Specifications

Frequency Range	50MHz to 8GHz
Units of Measure	$\mu\text{W}/\text{m}^2$ , $\text{mW}/\text{m}^2$ , $\text{W}/\text{m}^2$ $\mu\text{W}/\text{cm}^2$ , $\text{mW}/\text{cm}^2$ $\text{mV}/\text{m}$ , $\text{V}/\text{m}$
Measurement Range	$1\mu\text{W}/\text{m}^2$ to $26.52\text{W}/\text{m}^2$ $0\mu\text{W}/\text{cm}^2$ to $2.652\text{mW}/\text{cm}^2$ $20\text{mV}/\text{m}$ to $100\text{V}/\text{m}$
Resolution	$0.1\mu\text{W}/\text{m}^2$ , $0.001\mu\text{W}/\text{cm}^2$ , $0.1\text{mV}/\text{m}$
Accuracy	$\pm 5\%$
Memory	10,000 points (csv format)
PC Interface	USB
Power	Rechargeable 3.7V Li-ion battery
Dimensions	7.3 x 2.2 x 1.5" (185 x 55 x 38mm)
Weight	6oz (170g)

## Ordering Information:

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