

RF and LF measurement

RF Strength, LF Magnetic Fields/Electric Fields Meter

# Multi-Field EMF Meter

Model : EMF-840      ISO-9001, CE, IEC1010

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*The Art of Measurement*

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## FEATURE

<p>* RF application : For electromagnetic field strength measurement including mobile phone base station antenna radiation, RF power measurement for transmitters, wireless LAN ( Wi-Fi ) detection/ installation, wireless communication applications ( CW, TDMA, GSM, DECT ) and microwave leakage.</p>
<p>* RF power measurement Range/Resolution : Frequency range : 50 MHz to 3.5 GHz. 30.00 mV/m to 11.00 V/m, 0.001,0.01, 0.1, 1 mV/m. 0.02 uW/cm<sup>2</sup> to 32.09 uW/cm<sup>2</sup>, 0.01 uW/cm<sup>2</sup>. 0.02 μW/m<sup>2</sup> ~ 320.9 mW/m<sup>2</sup>, 0.001,0.01 , 0.1 μW/m<sup>2</sup>,mW/m<sup>2</sup> 0.02 mA/m to 29.17 mA/m, 0.001,0.01 mA/m.</p>
<p>* LF application : The EMF tester ( LF ) is designed to provide user a quick reliable and easy way to measure electromagnetic field radiation levels around power line , home appliances and industrial devices.</p>
<p>* Magnetic Fields Measurement range/Resolution: Frequency range : 50 Hz to 60 Hz. mG : 200.0 to 2000, 0.1 mG, 1 mG. uT: 20.00 to 200.0, 0.01 uT, 0.1 uT.</p>
<p>* Electric Fields Measurement range/Resolution : Frequency range : 50 Hz to 60 Hz. 50 V/m to 2000 V/m, 1 V/m.</p>
<p>* 2.4" TFT LCD display to easy reading. Light weight and small size case design are suitable for handling with one hand.</p>
<p>* Wristlet design provides extra protection to the instrument especially for user one hand operation.</p>
<p>* Built- in microprocessor circuit assures excellent performance and accuracy.</p>
<p>* Concise and compact buttons arrangement, easy operation.</p>
<p>* Memorize the maximum and minimum value with recall.</p>
<p>* Hold function to freeze the current reading value</p>
<p>* Power Supply DC 1.5V, UM4-AAA battery x 3 PCs.</p>

## GENERAL SPECIFICATION

Display	LCD view size : 2.4" TFT LCD.
Measurement	EMF ( Electromagnetic field tester. )
Band width	RF:50~3.5 MHz, LF: 50/60 Hz
Number Axes	Single Axis.
Operating Humidity	Max. 80% RH.
Operating Temperature	0 to 50 °C ( 32 to 122 °F )
Over Input Display	Indication of " "
Power Supply	DC 1.5V ,UM4-AAA battery X 3 PCs ( DC 4.5 V battery )
Power Consumption	Approx. DC 26 mA ~ 49 mA (0-3rd-order LCD Backlight brightness)
Weight	160g (battery included)
Dimension	HWD 107 x 45 x 20 mm (4.2 x 1.8 x 1.2 inch).
Standard Accessory	Instruction Manual 1 pc
Optional Accessories	Soft carrying case, CA-05A.

**ELECTRICAL SPECIFICATIONS (23± 5 °C)**

## RF EMF tester METER

<i>Unit</i>	<i>Range</i>	<i>Resolution</i>	<i>Absolute error</i>
mV/m,V/m	30.00mV/m ~ 11.00 mV/m	0.001,0.01 , 0.1	1.0dB @ at 1 V/m & 900 MHz
μW/cm2	0.02 ~ 32.09 μW/cm2	0.01 , 0.1	
μW/m2,mW/m2	0.02μW/m2 ~ 320.9 mW/m2	0.001,0.01 , 0.1	
mA/m	0.02 ~ 29.17 mA/m	0.01 , 0.1	

## LF - Magnetic Fields tester METER

<i>Unit</i>	<i>Range</i>	<i>Resolution</i>	<i>Accuracy</i>
μT ( <i>micro Tesla</i> )	20.00 ~ 200.0 μT	0.01 μt , 0.1 μT	± 12 % rdg + 5 dgt @ at 50 Hz or 60 Hz
mG ( <i>milli Gauss</i> )	200.0 ~ 2000 mG	0.1 mG , 1 mG	

## LF- Electric Field tester METER

<i>Unit</i>	<i>Range</i>	<i>Resolution</i>	<i>Accuracy</i>
V/m	50 V/m ~ 2000 V/m	1 V/m	± 7% rdg + 20 dgt @ at 50 Hz or 60 Hz

\* Appearance and specifications listed in this brochure are subject to change without notice.

EMF-840+1901

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