RF FIELD STRENGTH POWER METER

Model: EMF-830 *ISO-9001, CE, IEC1010*







The Art of Measurement

RF FIELD STRENGTH POWER METER

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FEATURES

* High radio frequency electromagnetic wave field strength measurement.			
* Radio field strength power measurement : GSM, CDMA, TDMA, WiFi,			
WiMAX Bluetooth, security system, cordless phones, Zigbee			
* Microwave oven leakage detection.			
* Frequency range: Wide band, 50 MHz to 3.5 GHz.			
* Measuring unit :			
V/m, mA/m, mV/m, mW/m^2, uA/m, uW/cm^2, uW/m^2			
* 3 axis RF sensor.			
* Backlight graphics dot matrix LCD with 4 function screens,			
digital and bar-graph display with warning symbol.			
* Beeper will sound for warning if measuring data are			
over the alert value.			
* SD card capacity : 1 GB to 16 GB.			
* Can default auto power off or manual power off.			
* Data hold, record max. and min. reading.			
* Microcomputer circuit, high accuracy.			
* Power by UM3/AA (1.5 V) x 6 batteries or DC 9V adapter.			
* RS232/USB PC COMPUTER interface.			

GENERAL SPECIFICATIONS

Circuit	Custom one-chip of microprocessor LSI		
	circuit.		
Display	LCD size : 52 mm x 38 mm		
	LCD with backlight (on/off).		
Measurement	V/m		
Unit	mA/m		
	mV/m		
	mW/m^2		
	uA/m		
	uW/cm^2		
	uW/m^2		
Frequency range	50 MHz to 3.5 GHz.		
Sensor axis no.	3 axis RF sensor.		
Unit/Range	Unit	Range	
	mV/m, V/m	20 mV/m to 25.0 V/m	
	uA/m, mA/m	53.0 u A/m to 66.31 mA/m	
	uW/m^2, mW/m^2	1.0 uW/m^2 to 1657.8 mW/m^2	
	uW/cm^2	0.001 uW/cm^2 to 165.78 uW/cm^2	
Unit/Resolution	Unit	Resolution	
	mV/m, V/m	0.1 mV/m to 0.1 V/m	
	uA/m, mA/m	0.1 uA/m to 0.01 mA/m	
	uW/m^2, mW/m^2	0.1 uW/m^2 to 0.1 mW/m^2	
	uW/cm^2	0.001 uW/cm^2 to 0.01 uW/cm^2	
Absolute error	± 1.0 dB		
@ 1 V/m, 100 MHz			
* Annearance and sr	 pecifications listed in this br	cochure are subject to change without notice	

Frequency	± 1.0 dB (50 MHz to 1.9 GHz)		
response	± 2.4 dB (1.91 GHz to 3.5 GHz)		
@Taking into accoun	t .		
typ. Cal. factor			
Temperature	± 0.5 dB		
response			
@ 0 to 50 °C			
Advanced	* Auto power OFF management		
setting	* Set beep Sound ON/OFF		
	* Warning value setting.		
	* Unit setting.		
Data Hold	Freeze the display reading.		
Memory Recall	Maximum & Minimum value.		
Sampling Time of Display	Approx. 1 second.		
Data Output	RS 232/USB PC computer interface.		
	* Connect the optional RS232 cable		
	UPCB-02 will get the RS232 plug.		
	* Connect the optional USB cable		
	USB-01 will get the USB plug.		
Operating	0 to 50 ℃.		
Temperature			
Operating	Less than 85% R.H.		
Humidity			
Power Supply	*.Alkaline or heavy duty DC 1.5 V battery		
	(UM3, AA) x 6 PCs, or equivalent.		
	*.DC 9V adapter input. (AC/DC power		
	adapter is optional).		
Power Current	Normal operation (w/o SD card save		
	data and LCD Backlight is OFF) :		
	Approx. DC 17 mA.		
	*.If LCD backlight on, the power		
	consumption will increase approx. 4 mA		
Weight	385 g/0.85 LB.		
Dimension	235 x 68 x 45 mm.		
	(9.25 x 2.7 x 1.9 inch).		
Accessories	Instruction manual1 PC		
Included			
Optional	AC to DC 9V adapter.		
Accessories	USB power to DC 9V converter, USBP-59		
	USB cable, USB-01.		
	RS232 cable, UPCB-02.		
	Data acquisition software, SW-U801-WIN.		
	Excel data acquisition software, SW-E802.		
	Hard carrying case, CA-06.		
	Soft carrying case, CA-05A.		

 $^{^{\}star}$ Appearance and specifications listed in this brochure are subject to change without notice.