Three axis (X, Y, Z direction)
Electromagnetic Field Measurement



# 3 D EMF TESTER

Model: EMF-828

ISO-9001, CE, IEC1010







The Art of Measurement

## **LUTRON ELECTRONIC**

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### Three axis (X, Y, Z) electromagnetic field measurement

## **3 D EMF TESTER**

Model: EMF-828



FEATURES			
* Three axis ( X, Y, Z direction ) electromagnetic	* The EMF tester is a cost effective, hand-held		
field measurement.	instrument designed and calibrated to measure		
* The EMF tester is designed to provide user a quick,	electromagnetic field radiation at wide bandwidths		
reliable and easy way to measure electromagnetic	from 30 Hz to 300 Hz.		
field radiation levels around power lines, electrical	* LCD display, jumbo digit size.		
appliances and industrial devices.	* Data hold.		
* Wide measuring ranges, 3 ranges of 20 micro Tesla,	* Separate probe, easy operation.		
200 micro Tesla & 2000 micro Tesla.	* DC 9V battery power supply.		
	* Hard case included.		

#### **APPLICATIONS**

This EMF tester is specifically designed to determine the magnitude of electromagnetic field radiation generated by power lines, computer's monitor, TV sets, video machinery and many other similar devices.

SPECIFICATIONS				
Range /	micro Tesla :	Display	LCD, 3 1/2 digits.	
Resolution	20 micro Tesla/0.01 micro Tesla		LCD size: 55 mm x 47 mm.	
	200 micro Tesla/0.1 micro Tesla		Max. indication 1999 counts.	
	2000 micro Tesla/1 micro Tesla		With display units.	
	mili-Gauss :	Over-input	Display shows " 1 " .	
	200 mili-Gauss/0.1 mili-Gauss	Sampling Time	Approx. 0.4 second.	
	2,000 mili-Gauss/1 mili-Gauss	Battery	DC 9 V battery (006P, 6F22).	
	20,000 mili-Gauss/10 mili-Gauss	Power Current	Approx. DC 2.7 mA.	
Number of Axis	Three axis ( X, Y, Z direction ).	Operating Temp.	0 to 50 $^{\circ}\mathrm{C}$ ( 32 to 122 $^{\circ}\mathrm{F}$ ).	
	Axis selected by push button.	Operating	Less than 85 %RH.	
Band width	30 Hz to 300 Hz.	Humidity		
Accuracy	± (4 % + 3 d)	Weight	460 g/1.01 LB (including battery).	
	@ 20 micro Tesla range		@ Including Probe and battery	
	@ 200 mili-Gauss range	Dimension	Main meter :	
	± (5 % + 3 d)		195 x 68 x 30 mm	
	@ 200 micro Tesla range.		(7.6 x 2.6 x 1.2 inch)	
	@ 2,000 mili-Gauss range		Probe:	
	± (10 % + 5 d)		70 x 58 x 220 mm	
	@ 2,000 micro Tesla range.		( 2.8 x 2.3 x 8.7 inch ).	
	@ 20,000 mili-Gauss range		@ Sensor probe head : 75 x 58 mm.	
	* Spec. accuracy tested under 50 Hz	Probe Cable	930 mm.	
	or 60 Hz.	Length		
	* Spec. tested under the environment	Accessories	Operation Manual 1 PC	
	RF Field Strength less than 3 V/M &	Included	Carrying case 1 PC	
	frequency less than the 30 MHz only.			

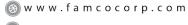
## **CAUTION OF ELECTROMAGNETIC FIELD EXPOSURE**

Claims by some scientists that long term exposure to electromagnetic field may be the cause of childhood leukemia & other forms of cancer.

Complete answers to any of these and related questions are not currently available. At the present time the most common practice is to avoid excess exposure over long period of time.

"Prudent Avoidance" as stated by the Environmental Protection Agency(EPA) USA is recommended.

0505-EMF828





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