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

3 D EMF TESTER

Model : EMF-828 *ISO-9001, CE, IEC1010*

ISO 9001 SGS UKAS QUALITY MANAGEMENT 005

Lutron

The Art of Measurement

LUTRON ELECTRONIC

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3 D EMF TESTER

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1. FEATURES

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

2. 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.

3. SPECIFICATIONS

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

4. 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.