

DIGITAL TRIAXIAL ELF MAGNETIC FIELD METER

Model KM-192



TELEVISION



WASHING MACHINE



MICROWAVE




COMPUTER

High Electromagnetic waves are generated by electric appliances, used in medical institutions, Schools, Residences where people usually stay for a long time. Precautions should be taken to prevent patients, Babies & other citizens from exposure to high electromagnetic waves.

An electromagnetic wave means the wave motion of electromagnetic field. It is a form of energy similar to light & heat that can be transmitted by radiation in the air or by an electric conductor.

FEATURES :

- Uses three internal orthogonal sensors to test a wide range of ELF magnetic fields, independent of measurement angle.
- The tester is designed to provide the user a quick, reliable & easy way to measure magnetic field radiation levels around power lines, home appliances & industrial devices.
- The tester is a cost-effective hand-held instrument that is designed and calibrated to measure magnetic field radiation at different bandwidths from 30Hz to 2000Hz.
- Display micro tesla (T) or milli Gauss (mG) units.
- Data hold (HOLD), Maximum Hold (MAX) and minimum Hold (MIN) function.
- Auto range or manual range select mode.
- Time and calendar function.
- Low battery indication “”.
- Over load display “OL”.
- Auto power off function.

APPLICATIONS :

- This meter is applied to measuring electromagnetic fields of extremely low frequency (ELF) of 30 to 2000Hz.
- It is capable of measuring the electromagnetic field radiation intensity that is produced from electric transmission equipment, power line, microwave oven, air conditioner, Refrigerator, Computer monitor, Video / Audio device and so forth.
- The magnetic field unit is Tesla (T), Gauss (G), milli-Gauss (mG) or micro-Tesla (T).
- 1T = 10,000 G ● 1 G = 1,000 mG ● 1mG = 1000 G

GENERAL SPECIFICATIONS :

- * Display : 4 digits Triple LCD Backlight display.
- * Range : 20 / 200 / 2000 mG, 2 / 20 / 200 T
- * Resolution : 0.01 / 0.1 / 1mG or 0.001 / 0.01 / 0.1 T
- * Frequency response : 30Hz ~ 2000Hz
- * Sensor : Triple Axis (X, Y, Z)
- * Accuracy : 20 mG / 2 T ±(3.0% + 30dpts)
at 50Hz / 60Hz.
±(2.5% + 5dpts) at 50Hz / 60Hz
±(5% + 5dpts) at 30Hz / 2000Hz.
- * Over load : LCD display “OL”
- * Sample rate : 2.5 times per second.
- * Battery : Standard 9V battery
- * Battery life : Approx. 100 hours.
- * Operating Temperature & Humidity : 5°C to 40°C, below 80% R.H.
- * Storage Temperature & Humidity : -10°C to 60°C, below 70% R.H.
- * Dimension : 173(L) X 80(W) X 32(H) mm
- * Weight : About 230g.

SAFETY :

Emission : EN 61326-1:2006
Immunity : EN61326-1 : 2006; EN 61000-4-2;
EN 61000-4-3

ACCESSORIES :

Battery, User's Manual & Carrying Case.

All Specifications are subject to change without prior notice