


**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  $\pm$  (3.0% + 30dgts) at 50Hz / 60Hz.  
 $\pm$  (2.5% + 5dgts) at 50Hz / 60Hz  
 $\pm$  (5% + 5dgts) 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