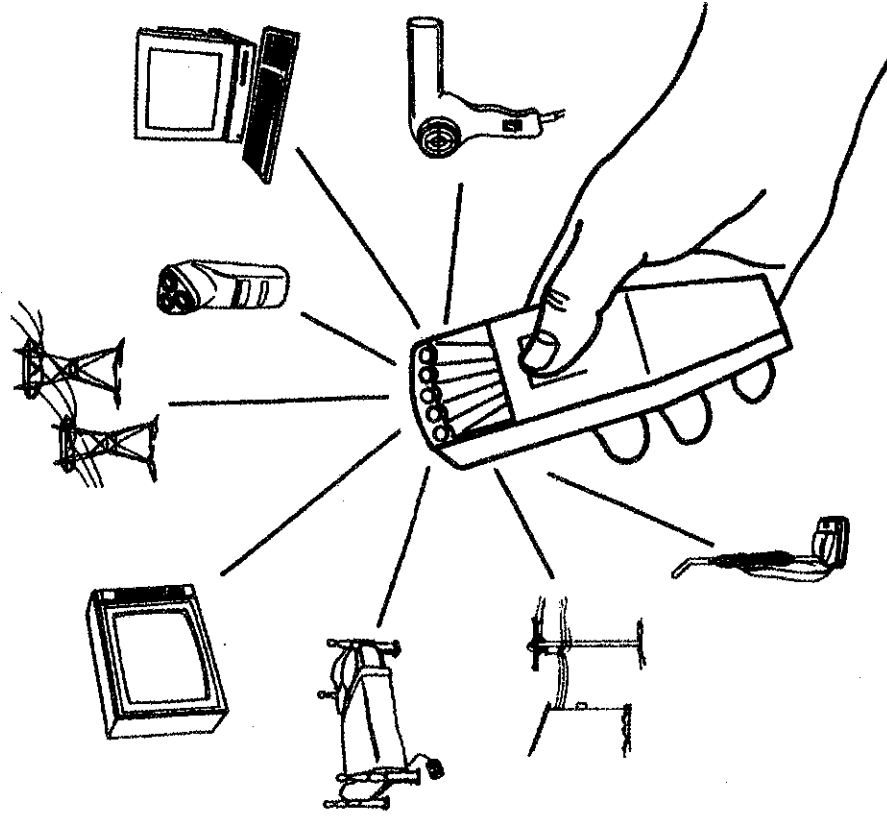


EMF Meter Measurement Chart

Directions: Repeat at same distance required to reach the GREEN Level each time.

	Level/Distance/Date	Level/Distance/Date	Level/Distance/Date
Kitchen			
Microwave.....	/ / /	/ / /	/ / /
Stove.....	/ / /	/ / /	/ / /
Dishwasher.....	/ / /	/ / /	/ / /
Ventilation Fan.....	/ / /	/ / /	/ / /
Refrigerator.....	/ / /	/ / /	/ / /
Coffee Maker.....	/ / /	/ / /	/ / /
Clock.....	/ / /	/ / /	/ / /
Can Opener.....	/ / /	/ / /	/ / /
Garbage Disposal.....	/ / /	/ / /	/ / /
Toaster.....	/ / /	/ / /	/ / /
Mixer.....	/ / /	/ / /	/ / /
Electric Frying Pan.....	/ / /	/ / /	/ / /
Bread Maker.....	/ / /	/ / /	/ / /
Crock Pot.....	/ / /	/ / /	/ / /
Corn Popper.....	/ / /	/ / /	/ / /
Toaster Oven.....	/ / /	/ / /	/ / /
Lights (1).....	/ / /	/ / /	/ / /
Lights (2).....	/ / /	/ / /	/ / /
Television.....	/ / /	/ / /	/ / /
Stereo.....	/ / /	/ / /	/ / /
VCR.....	/ / /	/ / /	/ / /
Clock.....	/ / /	/ / /	/ / /
Fan.....	/ / /	/ / /	/ / /
Lights (1).....	/ / /	/ / /	/ / /
Lights (2).....	/ / /	/ / /	/ / /
Television.....	/ / /	/ / /	/ / /
Clocks(Radio).....	/ / /	/ / /	/ / /
Electric Blanket.....	/ / /	/ / /	/ / /
Water Bed Heater.....	/ / /	/ / /	/ / /
Hair Dryer.....	/ / /	/ / /	/ / /
Electric Razor.....	/ / /	/ / /	/ / /
Ventilation Fans.....	/ / /	/ / /	/ / /
Electric Toothbrush.....	/ / /	/ / /	/ / /
Curling Iron.....	/ / /	/ / /	/ / /
Lights.....	/ / /	/ / /	/ / /
Washer.....	/ / /	/ / /	/ / /
Dryer.....	/ / /	/ / /	/ / /
Iron.....	/ / /	/ / /	/ / /
Lights.....	/ / /	/ / /	/ / /
Garage Door Opener.....	/ / /	/ / /	/ / /
Power Tools (1).....	/ / /	/ / /	/ / /
(2).....	/ / /	/ / /	/ / /
(3).....	/ / /	/ / /	/ / /
(4).....	/ / /	/ / /	/ / /
Electric Heaters.....	/ / /	/ / /	/ / /
Furnace.....	/ / /	/ / /	/ / /
Air Conditioner.....	/ / /	/ / /	/ / /
Humidifiers.....	/ / /	/ / /	/ / /
Dehumidifiers.....	/ / /	/ / /	/ / /
Vacuum Cleaner.....	/ / /	/ / /	/ / /
Computer.....	/ / /	/ / /	/ / /
Video Display Terminal.....	/ / /	/ / /	/ / /
Water Heater.....	/ / /	/ / /	/ / /
Typewriter.....	/ / /	/ / /	/ / /
Copier.....	/ / /	/ / /	/ / /
Telex.....	/ / /	/ / /	/ / /
Overhead Transmission Line.....	/ / /	/ / /	/ / /
Primary House Connection.....	/ / /	/ / /	/ / /
Electric Bug Zappers.....	/ / /	/ / /	/ / /
Living Room			
Bedrooms			
Bathrooms			
Laundry			
Miscellaneous			
Outdoors			

ELECTRO MAGNETIC FIELDS METER



References:
 Morgan, M.G.; Nair, I. and Flottig, H.C. "Biological Effects of Power Frequency Electric and Magnetic Fields". Background paper OTA-BP-E-53, prepared for the Congress of the U.S. Office of Technological Assessment, 1989
 Paul Brodeur, Currents of Death, 1989
 Wertheimer, N. and Leeper, E. "Electrical Wiring Configurations and Childhood Cancer", American Journal of Epidemiology, March 1979
 Granger, M.G. "Electric and Magnetic Fields From 60 Hertz Electric Power: What Do We Know About Possible Health Risks?" Department Engineering and Public Policy, Carnegie Mellon University, 1989

Electro Magnetic Fields Overview

-EMF-

What is EMF?

Electro Magnetic Fields (EMF) emissions are created whenever electrical power flows through a wire, conductor or appliance; they can not be seen, felt or heard, but they are present in and around all electric lines and devices. EMF emissions are measured in units called milligauss-(mG). The strength of the EMF can vary and is measurable by use of this K-11 EMF Meter.

Why Measure EMF?

EMF emissions are recognized as an environmental agent that are a potential threat to public health. Some scientific evidence suggests links of the biological effects of EMF to childhood leukemia, brain cancer, miscarriages and fetal abnormalities. We are exposed to EMF at home, in the workplace and even outdoors everyday.

What Levels are Safe?

Many studies have determined that the relationship between field strength and health risks also involves other factors which make it impossible to assign exact danger level limits based only on field strength.

Though the US government has not yet provided exact danger level limits, other countries and many states have already set standards for exposure based on field strengths. In general a target of 2 to 3 milligauss is believed to be a reasonable maximum level for continuous exposure.

The EMF METER measures magnetic field strength. GREEN LED's indicates normal everyday levels of exposure, the higher more suspect field strength readings are indicated by the YELLOW, ORANGE and RED LED displays

What can we do about it?

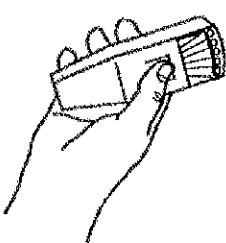
The easiest thing is to try to reduce your exposure to the fields by practicing "prudent avoidance". Measure all of the electrical appliances and devices at home, at work and when you travel, noting the results on the attached Exposure Log. Then try to avoid the YELLOW / ORANGE / RED range readings by staying far enough away from the appliance to remain in the GREEN range. Rearranging your furniture or appliances, or by using timers on some appliances to reduce exposure when operating can also be effective. In reducing your exposure.

Continue to check field sources around and in your home, as well as in the schools or your workplace on a routine basis since fields may change (i.e. appliances may change due to age or pending failure). Use the EMF METER when you travel, are looking at real estate or when shopping for new appliances.

DESCRIPTION

The EMF Meter is a compact and easy to use Magnetic Field strength meter. The EMF Meter can be used indoors or outdoors for measuring any electric device or power lines. There are 5 LED's, each represents a field strength range as follows:

GREEN	- "Normal" zone — Normal background Magnetic Field 0 to 1.5 milligauss
GREEN	- "Low" zone- Low-Level Magnetic Field 1.5 to 2.5 milligauss
YELLOW	- "Caution" zone-Mid-Level Magnetic Field 2.5 to 10 milligauss
ORANGE	- "high" zone-high-Level Magnetic Field 10 to 20 milligauss
RED	- "Warning" zone-Extremely high Magnetic Field 20+milligauss



OPERATION

- 1) Hold the EMF METER with your thumb on the switch
- 2) Point it toward the EMF source, then depress and hold down the switch (a short flash of the LED's will occur)
- 3) The LED will indicate the range of the EMF at that level
- 4) Moving the device from side to side or rotating it may change the reading; the highest reading is most accurate
- 5) Move closer or further away to the EMF source to determine the "Normal" zone, as indicated by the Green LED

Helpful Hints:

- Record the readings on the enclosed Exposure Log; repeat periodically, since fields can change in strength
- If the GREEN LED(Normal) doesn't light, the battery is low
- To change battery remove the two screws, replace 9V battery

SPECIFICATIONS:

- Detection Range — 0 to 20+ milligauss
- Detection Frequency — 50/60 Hz (50 to 1000 Hz — ELF) (1000 to 20,000 Hz — VLF)
- Accuracy — 5% (typical)
- Operating Temperature — 0 to 120 Degrees F (-18 to 49C)
- Battery Requirements — 9 Volt battery
- Size & Weight — 5.75 "(L) x 2.25"(W) x 1"(H); 6 ounces