

Safety Precautions

There is nothing inside the cabinet that is safe to touch when the amplifier and signal generator are turned on. The voltage can reach 1500 volts when using a high frequency such as 2112Hz. If the coil or any of the wires attached to the amplifier are abraded and the insulation is injured, you must cover the damaged area with electrical tape before using the device again.

The cabinet is filled with capacitors. The function of a capacitor is to store electric charge and then discharge the current when a certain level is reached. Capacitors may have stored electrical charge in them even after the coil machine is turned off. Do not touch any of the capacitor wires inside the cabinet or severe electrical shock may result.

When using frequencies over approximately 1000Hz, the coil will get warm to hot. If the temperature reaches 235F the wire insulation will emit fumes that may be toxic. Avoid using the coil for long exposure times (5 to 8 min.) at higher frequencies. It is best to use the coil in a well ventilated area with a fan.

Be exceptionally careful when turning the “AMPL” knob on the signal generator. If you exceed 1.5v on the multimeter you are allowing too much current into the coil and if you exceed 1.5v by a significant amount, you may damage the amplifier (although the circuit breaker on the back of the amplifier will usually trip) If turning the “AMPL” knob clockwise slightly does not result in an increase in voltage on the multimeter, turn the “AMPL” knob to the “Min” setting and turn the other components off. See the trouble shooting page for suggestions about what to check.