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CHIPhERASER MODEL 10 and 10-220

Operating Instructions

Warning: Potentially fatal voltages exist within this machine. Never remove the lamp while the main power cord is plugged into an electrical outlet.

The lamp in this unit emits harmful UV radiation; under no circumstances should the user be exposed to the UV source. Never look into the burning lamp.

1. Load the EPROMs on the conductive foam tray.
2. Close the lid tightly.
3. Set the timer to the desired exposure time.
4. Turn the EPROM eraser on by holding down the white "ON" button for five seconds, then release.
5. If the front indicator does not light blue, make sure that the unit is plugged into an electrical outlet and that the lid is properly closed.
6. Exposure time should be 2 - 10 minutes. EPROM manufacturers provide "nominal erasing energies" to their devices; the amount of UV energy required erasing a chip's memory. Erasing time can be calculated by:

$$\text{Time(seconds)} = \frac{\text{Nominal Erasing Energy (W-sec/cm}^2\text{)} \times 1,000,000}{\text{UV irradiance } (\mu\text{W/cm}^2\text{)}}$$