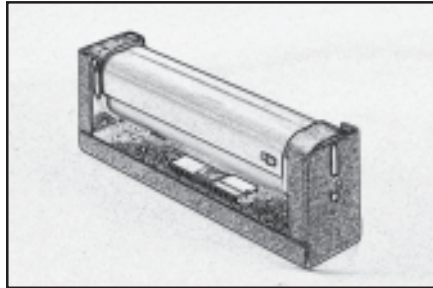


DE-1 EPROM ERASER

Operating Instructions

INTRODUCTION

The invisible band of radiation just beyond the violet end of the visible spectrum is called ultraviolet. In this band is a region called shortwave ultraviolet light, which includes the wavelength that is instrumental in erasing EPROMS: 253.7nm, approximately 254nm or 2537Å. These are equivalent units of wavelength. The intensity of this radiant energy is a function of the distance between the light source and the EPROM and the geometry of the light source. The design of DE-1 EPROM Eraser optimizes all of these elements to give you the best possible performance.



OPERATION

Place the EPROM on the conductive foam pad, just below the exposed section of the lamp. Lower the lamp housing until it just rests on the EPROM. The vertical sliding mechanism will easily adjust to the EPROM's height. Switch the lamp on. A slight bluish glow is visible when the DE-1 is turned on. Place the unit aside for a few minutes while the EPROM is erasing.

APPLICATION

The DE-1 EPROM Eraser produces an intensity of approximately 6550 $\mu\text{W}/\text{cm}^2$ when used with new batteries. The wavelength is approximately 254nm (2537Å). Three factors will determine the erasure time:

1. The required erasure energy of the EPROM specified by the manufacturer,
2. The age/length of use of the batteries, and
3. The tube life. A representative intensity for a tube that has been operated for 1000 hours is 50% of that of a new tube.

CAUTION: Do not look directly at the tube light or operate this unit in a disassembled condition. Exposure can cause a delayed reaction of sunburn to the eyes.

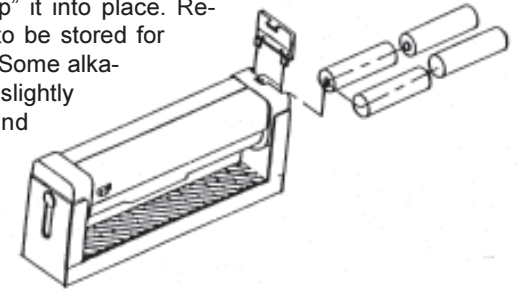


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REPLACING TUBE AND INSERTING BATTERIES

To replace the tube, turn the unit off. Using a Phillips screw driver, remove the end screws, being careful to put the white plastic washers aside. Next, lift the lamp. The black side panels will slip off. If you twist the tube slightly while holding its metal ends, it should come out easily (needle nose pliers may be needed). You are now ready to insert a new tube. Tubes may be purchased from your dealer.

The DE-1 uses 4 AA batteries. To insert batteries, raise the lamp to its highest position (see diagram). Press thumb in the center of the battery housing closure, and slide the removable door up and off. Insert 4 AA batteries as shown. Replace the sliding door and gently "snap" it into place. Remove the batteries if the unit is to be stored for more than a few months. **NOTE:** Some alkaline batteries with test strips are slightly larger than standard batteries and may cause a tight fit. Recommended batteries for use with the DE-1 are Ever-Ready Classic and RAYOVAC without test strips.



SPECIFICATIONS

Dimensions:	1.5" x 3" x 6.5" (3.8 x 7.6 x 16.5cm)
EPROM Capacity:	Erases one at a time; carries up to three
Erase Time:	2 to 5 minutes (lamp in lowered position)
Weight:	8.9 oz.
Power Source:	4 AA batteries
Replacement Tube:	34-0003-01

Note: If the DE-1 is left on continuously for 5 hours, the lamp intensity decreases significantly.

TECHNICAL SUPPORT OR REPAIR

Contact UVP's offices with any questions on use of these products. A **Returned Goods Authorization (RGA)** number must be obtained from UVP prior to returning any product to UVP.

WARRANTY

The Memorase DE-1 EPROM Eraser is guaranteed to be free of defects in materials, workmanship, and manufacture for one (1) year from date of purchase. Consumable parts, including but not limited to tubes, are guaranteed for ninety (90) days from date of purchase.



<http://www.uvp.com>

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