

# ABOUT THE EPROM FIELD KIT

The EPROM FIELD KIT (EFK-1) is specifically designed for engineers, technicians and other personnel who must both program and erase UV memory devices in the field. The kit consists of a rugged programming unit and a UV eeprom eraser which is powered by and stored in the programming unit. This combination creates a complete field service package.

## USING THE FIELD KIT

The kit consists of two parts; the AR-32A programming unit assembly and the eeprom eraser. The AR-32A programming unit is also used in the EPROM+ programming system and therefore the EPROM+ manual and software are included and serve as the foundation for kit operation. Follow the instructions in the EPROM+ manual for connection and operation of the programming unit and software.

## THE EPROM ERASER

The UV eeprom eraser included with the kit is a portable unit capable of erasing up to four devices. The manual for this eraser is also included with the kit. The eraser can be powered from the programming unit or a separate power pack (included). The programming unit may be used with the eraser attached which allows you to work with the system while eeproms are being erased. **NOTE:** The eraser controls include a power switch, timer adjustment control and indicator. The power switch turns the eraser on and off. The timer adjustment control sets the amount of time (minutes) the eraser is active. The amount of time required for a device to erase is not exact or repeatable. Some devices will erase in as few as two minutes while others will require up to thirty. If a device is not erased after a single cycle, repeat the cycle again or adjust the timer for a longer exposure. The indicator is a small translucent spot on the label. This spot emits a blue glow when the eraser is active. The glow is generated directly from the UV lamp in the eraser. You may need to shield the spot from direct light to see the spot glow. When the erase time has elapsed the eraser emits a beep to inform you the the cycle is complete. The eraser also employs an interlock to prevent the lamp from lighting while the eraser is open. **WARNING:** Under no circumstances look directly at the eraser UV lamp when it is active as damage to your eyes may occur.

## CONNECTING THE ERASER TO THE PROGRAMMING UNIT

A special power cable is provided to attach the eraser to the programming unit. This cable has a flat connector on one end and a right angle power plug on the other. Use care when you attach the cable to the programming unit. The connector is marked with two arrows which are labeled GND and +35. Align these arrows (facing you) with the corresponding pins on the programming unit ACCESSORY CONNECTOR and press the connector into place. Connect the power plug to the eraser. When the programming unit is active (connected to a power source) the eraser may be used.

## STORING THE ERASER AND CABLE

The eraser is stored in the lid of the programming unit using a dual lock reclosable fastener. To remove the eraser place your thumbs under (below) the eraser body and gently exert an upward force until the fasteners release. To replace the eraser, align it in the upper left corner of the lid and press into place. The power cable stores below the eraser using two nylon captive retainers. To store the cable, create a loop and insert each end beneath the nylon retainers. To create a standard length loop, align both ends of the cable and fold both wires simultaneously at a distance slightly wider than the retainer spacing.

**NOTE:** The EPROM FIELD KIT is designed for normal portable operation. If you expect excessive physical shock during transportation, place a foam cushion inside the case before it is closed. This will prevent the eraser from becoming loose in the event of a severe physical shock.