

Upgrade Procedure

Upgrading the software of the Dynalab XL Series Analyzer is accomplished by replacing the EPROM located on the processor board. The following steps explain how to upgrade this EPROM.

- Back up any Analyzer resident programs to a cartridge, since memory will be initialized and all programs will be erased.
- Disconnect the power cord from the Analyzer.
- Remove the screws on the rear of the Analyzer that secure the gray cover, then slide the cover off to the rear.
- Standing in the front of the Analyzer and looking down on the processor board (upper most board in the card cage) the EPROM (U301) is located in the upper left corner area. Using an IC component removal tool or flat-bladed screwdriver, carefully pry the old EPROM from its socket.
- Insert the new EPROM into the socket with the half-circle polarization designator aligned with the half circle notch in the socket.

WARNING: Failure to orient the EPROM properly, will result in it being permanently damaged.

- Reassemble the cover.
- Insert the power cord and turn on the Analyzer.
- The Analyzer memory must be initialized after installing a new EPROM. This is accomplished by installing the cartridge then depressing the Stop key while turning in the Analyzer. The Setup Menu will then be displayed. Move the cursor to the DIAGNOSTIC~RESET menu option and press the <START> key. Select "Yes" when asked for verification of this action.
- Turn off the Analyzer and, after a couple of seconds, turn it back on.
- The Analyzer will now come up with the main menu, ready for standard operation.

Special Notice

EPROM version 7.000 is the first release using a new, larger EPROM. The increased capacity of this EPROM will allow Dynalab to continue to add enhancements to the XL Series Analyzers for years to come.

To access this new EPROM format, the Analyzer CPU requires a one-time PLD upgrade. At startup, this new EPROM performs a check for the proper PLD and provides an error message if not found. To upgrade the PLD, Part number 5280184 (located in socket U204), must be replaced with part number 5280185.