

APG

AUTO-PROGRAM GENERATOR

Auto-Program Generator references From-To or Node format wire lists and an Address Correspondence Table (ACT File) to create the test program.

The Automatic Program Generator (APG) software automatically generates test programs by referencing a sorted wire list and an existing Address Correspondence Table. Wirelists may be in either “From-To” or “Node list” format and may include FORMAT statements to describe the wirelist type and structure.

APG reads the product language names of the FROM and TO points in your wire list file and searches the ACT file for the corresponding analyzer addresses. APG then creates a test program that contains a series of test instructions at the appropriate addresses to test the product described by your wire list. You can generate the test programs in either T81 or T94 formats.

You can create an ACT file using one of the following programs:

- Address Correspondence Editor (ACE)
- Universal Fixture Analyzer Translator (UFAX) when using a fixture to reference x-y coordinates

The following options are available when processing wirelists:

- Checking for duplicate net names
- Including references to non-adapted points (points specified in the wire list but not referenced in the ACT file)
- Testing all non-connected points (points referenced in the ACT file but not specified in the wire list)
- Checking for net (circuit strings) member continuity
- Allowing blank net names within a net
- Generating “Follow the wire” tests



APG's test program includes input and output address setups as well as continuity and insulation tests. Parameters and directives can be automatically inserted from the wire list file using mode switch characters or manually inserted using TFE.

APG also functions as a test compiler allowing you to write and compile an entire test file in UUT language. APG automatically determines the lowest switching point in the net for the isolation test.

