

# Keysight Technologies Electronic Calibration

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85091-90004

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### CAUTION

A **CAUTION** notice denotes a hazard. It calls attention to an operating procedure, practice, or the like that, if not correctly performed or adhered to, could result in damage to the product or loss of important data. Do not proceed beyond a **CAUTION** notice until the indicated conditions are fully understood and met.

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### WARNING

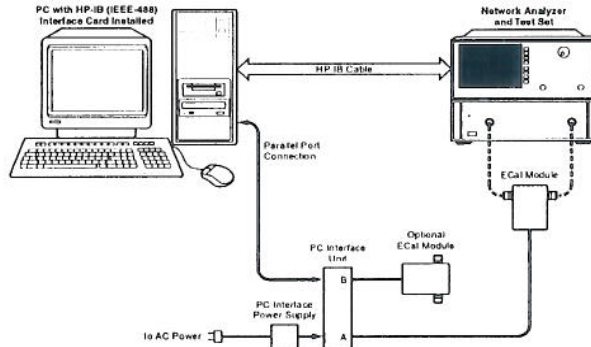
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# Electronic Calibration Quick Reference



HP part number: 85091-90004  
Printed in the USA  
September 1998



## PC Requirements

Verify that your PC meets the following minimum requirements:

- PC with a 486 or higher processor
- Microsoft Windows 95<sup>®</sup> operating system or later, Microsoft Windows NT<sup>®</sup> Workstation operating system 4.0 or later
- 16 MB of memory for use on Windows 95; 32 MB for use on Windows NT<sup>®</sup>
- 10 MB of available hard disk space
- Compatible mouse or other pointing device
- Available parallel port

Verify the operation of the HP-IB (IEEE-488) interface card and software

- Check that the IEEE interface card and software have been installed in the PC and are operational.
- If not, refer to your HP-IB (IEEE-488) documentation for installation instructions.
- Use any of the following interface cards:
  - HP 82340 A/B
  - HP 82341 C/D
  - National Instruments AT-GPIB/TNT
  - National Instruments AT-GPIB/TNT (Plug and Play)
  - National Instruments PCI-GPIB

## ECal Software Installation and System Setup

### ECal Software Installation

- Turn on the PC and wait until the Windows environment presents itself on the screen.
- Insert disk number (1 of 2) of the PC Interface Software, HP 85097-10001 into the PC.
- Start the installation by selecting **Start** then **Run**. In the run window type `a:\setup.exe` (make sure the drive letter you use corresponds to the letter of the drive into which you have inserted disk 2).
- Follow the instructions on the screen to finish the installation.

### System Setup

- Connect the system according to the diagram shown on the PC Interface Module. Refer to the Vector Network Analyzer (VNA) manual for VNA setup.
- Turn on the system components, and then turn on the PC last.
- Allow the ECal modules to warm up for 10 minutes before doing a calibration to achieve maximum accuracy.
- Verify system operation:
  - Connect the ECal module to the VNA test port cable(s).
  - Set up VNA (frequency range and calibration information).
  - Click **Start**, to run the Ecal.exe software.