

Friendly Operator Interface

The software guides the operator through easy-to-understand menus, automatically "remembering" every keystroke in an autosequence buffer. When a complicated measurement sequence has been completed, simply give it a name and store it in computer disk memory for later use. Because the most recent instrument state is also remembered, the operator needs only to redefine those variables of interest for each measurement, and on the entire setup. This feature is especially helpful when linking a series of frequency sweeps together to increase resolution.

The entire HP 3577S Network Analyzer System can be controlled from the computer keyboard, eliminating the need for an in-depth understanding of the HP 3577A. A mastery of computer programming is not necessary either.

Program Modifications

Although program modification is not required, Hewlett Packard encourages the experienced operator to tailor the HP 35675A Accuracy Enhancement Software to their specific application. An entire section of the operating manual is devoted to a detailed description of every subroutine and function used by the program; including format, purpose, pass parameter, common variables, error messages, and other required subroutines. Another section describes all program variables and labels. A custom subroutine written in HP Basic can be "installed" in system software and accessed from the menu with a single keystroke.

HP 3577S Network Analyzer System Characteristics

Frequency Range: 100 KHz to 200 MHz

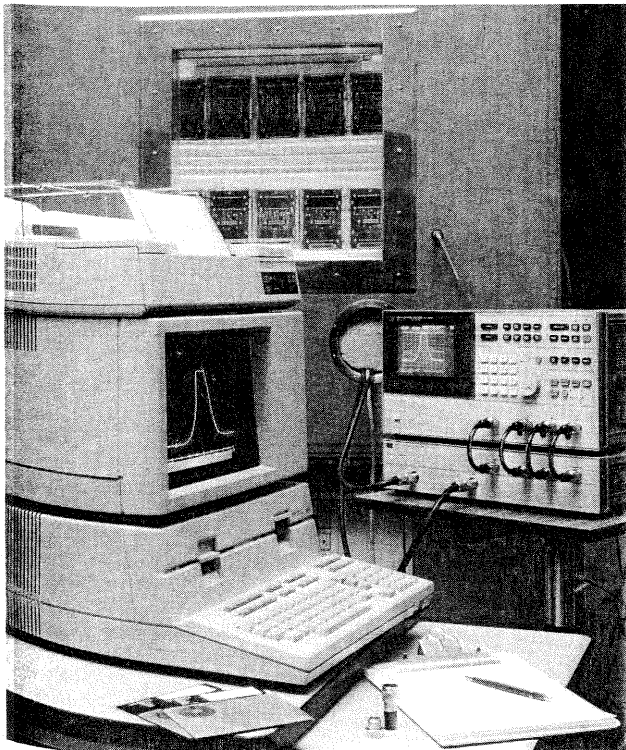
System Impedance: 50Ω (with HP 35677A)
75Ω (with HP 35677B)

Error Correction: One and two port 8- or 12-term

Typical Performance (401 point, 12 term mode):

Calibration: 2 minutes including time to connect devices

Measurement plus corrections: 30 seconds



HP 9000 Series 200 Computers

HP 35675A Accuracy Enhancement Software and HP 3577S will run on any properly configured Series 200 Computer, including HP 9816A, 9826A, 9836A, 9836C, and 9920A. One Mbyte RAM is recommended, and up to 1.3 Mbytes may be required when an SRM and additional Basic extensions are used. The HP 35675A software will run on Series 200 Basic versions 2.0, 3.0, and 4.0. Basic 4.0 is included with all Series 200 Computers. Please consult the HP 3577A/S Configuration Guide (# 5953-5184) for more information.

HP 9000 Series 300 Computers

HP 35676A Accuracy Enhancement Software and HP 3577S will run on any properly configured Series 300 Modular Computer System. A properly configured system includes one each: System Processor Unit (SPU), video board, video monitor, keyboard, mass storage device, and Basic 4.0 operating system. Either specify option 008 (Display Compatibility Interface), or create a system from individual components. Please consult the HP 9000 Series 300 Hardware Technical Data Guide (# 5953-9572) and Pricing Information Guide (# 5953-9573) to ensure proper coordination of systems and components.

HP Printers and Plotters

Permanent documentation of test results can be obtained from a number of different HP graphics printers and plotters including HP ThinkJet 2225A, 7470A, 7475A, and 7550A.

HP 3577A/3577S

Ordering Information

HP 3577S Network Analyzer System

Specify this system reference number to ensure coordination of shipments and guarantee compatibility of instruments and software.

A complete HP 3577S Network Analyzer System includes HP 3577A, HP 35675A, HP 35677A/B, HP 35678A/B, and a properly configured HP 9000 Series 200 or 300 Computer. IT IS NOT NECESSARY TO ORDER COMPONENTS ALREADY OWNED.

HP 3577A Network Analyzer

Option 907: Front Handle Kit

Option 908: Rack Mount Kit

Option 909: Rack Mount and Front Handle Kit

Option 910: Extra Operating and Service Manuals

03577-84401: Service Accessory Kit for HP 3577A

HP 35675A Accuracy Enhancement Software

Option 042: software on 5.25" disks

Option 044: software on 3.5" disks

HP 35676A 50Ω Reflection/Transmission Test Kit

HP 35676B 75Ω Reflection/Transmission Test Kit

HP 35677A 50Ω S-Parameter Test Set

HP 35677B 75Ω S-Parameter Test Set

Option 907: Front Handle Kit

Option 908: Rack Mount Kit

Option 909: Rack Mount and Front Handle Kit

Option 910: Extra Operating and Service Manuals

HP 35678A 50Ω Type N Calibration Kit

HP 35678B 75Ω Type N Calibration Kit

HP 35679A 50Ω Type N Port Extension Cables

HP 35679B 75Ω Type N Port Extension Cables

☎ Fast-Ship product — see page 766.