



### HP 1660 Series Portable Logic Analyzers

Get to the cause of problems in embedded processor designs with speed and confidence using HP 1660 series portable logic analyzers. These instruments can verify critical timing relationships, show parametric signal details and correlate the real-time execution of software with hardware operation. This combination of features makes the HP 1660 series especially well suited to find problems at the hardware-software integration stage of prototype evaluation.

#### Product Summary

The HP 1660 series of logic analyzers includes nine models with varying channel count so you can match the instrument to your specific needs. All members of the portable series offer sophisticated timing and state analysis capabilities. The AS models also have a built-in oscilloscope to provide an analog view of timing signals.

The human interface is modeled after the HP 16500 and is identical for all HP 1660 family members. Graphical menus on a grayscale screen can be operated with a mouse, front-panel keys, or with a keyboard. A built-in, flexible DOS disk drive lets you load configuration and data files as well as store ASCII data and screen images for further use on your computer.

And, to cover your future needs, there are upgrade kits that add an oscilloscope or more channels to most models in the HP 1660 series.

See page 426 for more information.

### HP 16500B Modular Logic Analysis System

Track your changing measurement needs with the HP 16500B modular logic analysis system. Since 1987 HP has continuously upgraded and improved the performance of the measurement modules, mainframe, and accessory software. New products for the entire design team are highlighted below.

#### Product Summary

The HP 16500B is a measurement resource for the entire digital design team. Design team members can make a variety of time-correlated, simultaneous measurements from analog to source-code-referenced traces.

You can remotely control and view measurements and access data from the convenience of your office, or from a remote site. The X-Windows protocol is used to bring the HP 16500B interface into your windowed environment, from PCs to workstations.

Software developers can access and track real-time processor traces referenced to source code instructions with the HP B3740A software analyzer while obtaining traces that are 1 MBit/channel deep.

RISC and multiprocessor system bus designers can now trigger and capture on data paths up to 204 channels wide at up to 125-MHz bus speeds.

See page 416 for more information.

### HP 16505A Prototype Analyzer

Quickly solve your toughest system integration and debug problems with the HP 16505A prototype analyzer. The HP 16505A provides breakthrough visualization and analysis of your prototype's behavior by offering new measurement capabilities for the entire digital design team.

#### Product Summary

The HP 16505A prototype analyzer works in conjunction with the HP 16500B logic analysis system mainframe and popular measurement modules. The prototype analyzer acts as a data analysis and display processor, enabling design team members to view time-correlated measurements and uncover hidden system relationships.

View and correlate your system's behavior across buses with the 16505A's multiple, sizeable display windows for state, waveform, chart, and histogram. The same measurement data can be viewed simultaneously with different display modes, using drag-and-drop markers to provide time correlation across all displays.

Quickly create, view, and modify measurements with drag-and-drop measurement tools that are always right at your fingertips. Rapidly modify or tear down measurements or save your data and configurations for further analysis or documentation.

The HP 16505A prototype analyzer is compatible with existing HP 16500 series inverse assemblers, measurement configurations, and data files for supported modules.

See pages 414 and 415 for more information.