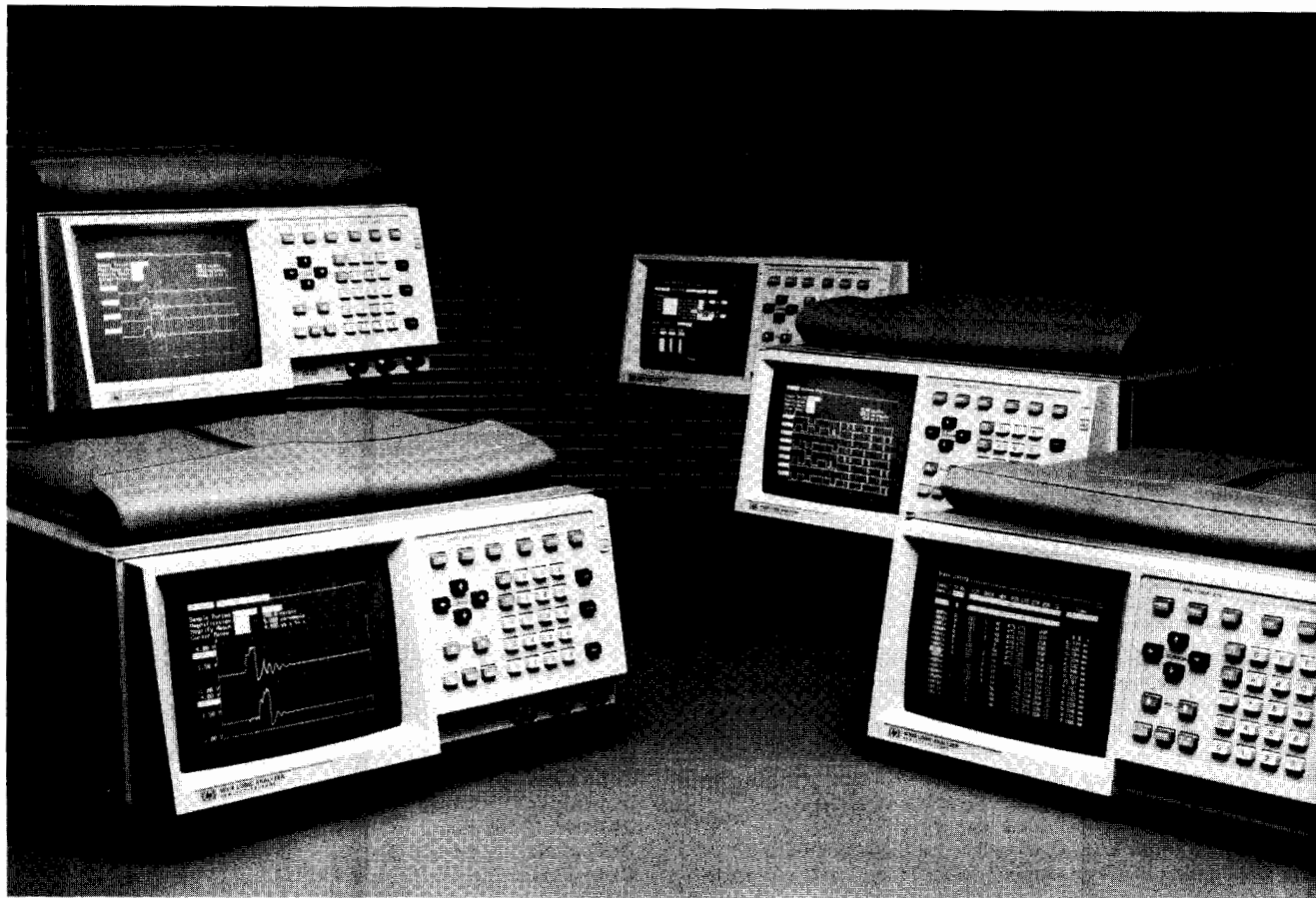




LOGIC ANALYZERS

State, Timing, Analog, And System Performance Analysis

Model 1631A/D, 1630A/D/G



Hewlett-Packard provides a complete line of high-performance logic analyzers to help you design and troubleshoot today's systems.

Indispensable Tools For Digital Design And Test

Powerful

- Timing, state, analog (HP 1631A/D), and software performance analysis all in one low-cost instrument.
- Trigger measurements on combinations of glitches, edges, voltage levels (HP 1631A/D) and patterns so you can quickly track down hard-to-find problems.

Versatile

- Each instrument within the family can be upgraded, providing a range of price/performance solutions.
- Preprocessors, disassemblers, and down-loadable programs tailor the HP 1630 and HP 1631 for a variety of microprocessors and communication buses.
- Built-in HP-IB and HP-IL interfaces allow for both manual and automatic testing applications and for sending data to an external printer or disc drive.

Easy to Use

- A menu architecture guides you through each step in the measurement process. All choices are clearly shown, and prompt and error messages help eliminate setup guesswork.
- Data can be displayed in eight different formats, including microprocessor mnemonics, relocatable addresses, and user-defined labels.

Multi-function Tool

Combining up to five logic analysis functions in one benchtop instrument, the HP 1630/1631 may be your single most important tool for digital-product design, development, and testing.

- Timing analysis at 100 MHz to check hardware and status signals.
- State analysis at 25 MHz to trace program and software flow.
- Analog analysis at 200 megasamples/second to verify data voltage and time parameters.
- Performance analysis to optimize code.
- Interactive state/timing/analog (HP 1631A/D) analysis to integrate systems, circuits and code.

Flexibility, high performance, and reliability make the HP 1630 and 1631 logic analyzers an excellent value.

Preprocessor/Interface Modules

Because digital design and test involves more than just a logic analyzer, Hewlett-Packard provides a complete line of preprocessor and interface modules for HP 1630 and HP 1631 logic analyzers that simplify data interpretation and interconnections.

- Microprocessor preprocessors - direct connection to eight and 16-bit microprocessor systems. Please see page 416.
- Bus preprocessors - non-intrusive monitoring plus inverse assembly for easy interpretation of RS-232C/V.24, RS-449, and HP-IB data buses. Please see page 416.
- Minicomputer interfaces - eliminate loading, clocking, and demultiplexing problems. Please see page 416.

HP 1630A		HP 1630D		HP 1630G		HP 1631A			HP 1631D		
State	Timing	State	Timing	State	Timing	State	Timing	Analog	State	Timing	Analog
35	—	43	—	65	—	35	—	2	43	—	2
—	8	—	16	—	8	—	8	2	—	16	2
27	8	35	8	57	8	27	8	2	35	8	2
—	—	27	16	—	—	—	—	2	27	16	2