

PRÉSERVER
SAUVEGARDER
VALORISER

MODE D'EMPLOI DE L'ANALYSEUR LOGIQUE HP 1631A

FICHE N° 3944

Période de fabrication : 1975-1999
Fabricant : fabricant non renseigné
Domaines : Informatique et Communication, Physique
Sous-domaines : Electronique
Organisme : Université de Rennes
Ville : Rennes
Modèle : HP 1631A
Matériaux : Papier

Description

Le mode d'emploi de l'analyseur logique Hewlett-Packard HP 1631 A (en anglais) était fourni avec l'appareil et conservé dans une trousse en cuir fixée au-dessus de l'instrument. Il décrit en 160 pages les opérations possibles, l'ensemble des circuits et des fonctions qui le caractérisent (block diagrammes, circuits électroniques). L'appareil est aussi présenté dans le catalogue de 1986 de la société Hewlett-Packard.

Utilisation

Cet analyseur d'état logique était utilisé par les enseignants des travaux pratiques d'électronique de la faculté des sciences de Rennes pour initier les étudiants aux circuits logiques et aux microprocesseurs. Le HP 1631A a été vendu à partir de 1986.

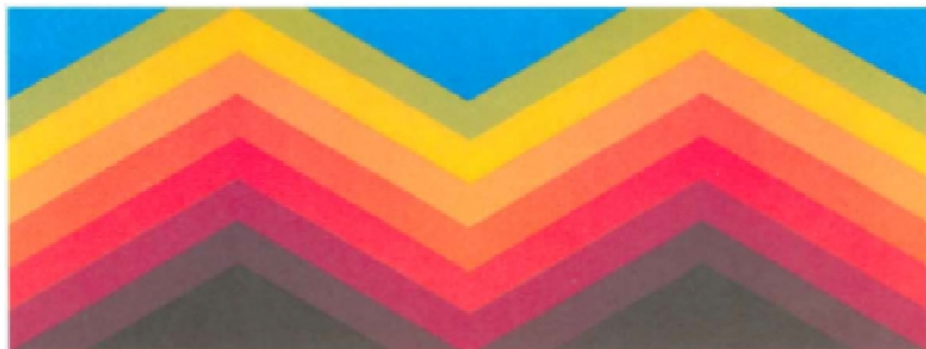




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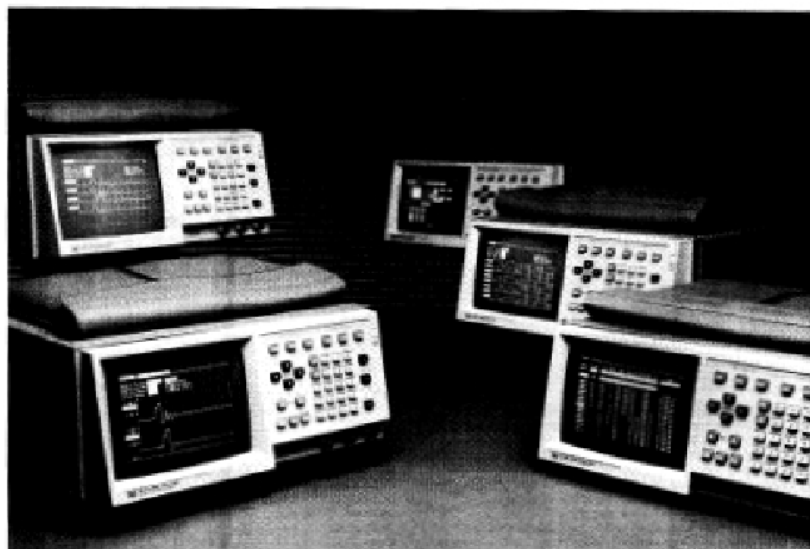
MEASUREMENT • COMPUTATION • SYSTEMS
For Science • Engineering • Business • Industry • Education • Medicine

1986



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 paperwork.
- Data can be displayed in eight different formats, including microprocessor mnemonics, repeatable addresses, and user-defined labels.

Multi-function Tool

Combining up to five logic analysis functions in one benchmark 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-485, 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
25	8	40	25	60	8	25	8	2	40	10	2
27	8	35	8	37	8	27	8	2	25	8	2
—	—	27	25	—	—	—	—	2	27	16	2

Pour nous citer :

Base de la Mission nationale de sauvegarde et de valorisation du patrimoine scientifique et technique contemporain, PATSTEC, Mode d'emploi de l'analyseur logique HP 1631A (fabricant non renseigné), <https://www.patstec.fr/ressources/objets/detail?id=15962>, consulté le 2026-07-28