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Data Sheet

August 8, 2026

AGILENT

HP / Agilent 16702B Logic Analysis System

HP / Agilent 16702B Logic Analysis System The Agilent / HP 16702B is a modular logic analysis mainframe in the 16700 Series with an integrated 12.1-inch color LCD touch screen and redesigned front-panel controls. It hosts interchangeable state/timing, oscilloscope, and pattern-generator modules for digital system debug. Enhanced B-series hardware includes a 40X CD-ROM, 18 GB hard disk, 100BaseT LAN, and 128 MB system RAM (optional 256 MB). Multiframe linking supports up to eight mainframes/expanders for time-correlated multi-bus capture (up to 8,160 traces class). The Agilent / HP 16702B is a modular logic analysis mainframe in the 16700 Series with an integrated 12.1-inch color LCD touch screen and redesigned front-panel controls. It hosts interchangeable state/timing, oscilloscope, and pattern-generator modules for digital system debug. Enhanced B-series hardware includes a 40X CD-ROM, 18 GB hard disk, 100BaseT LAN, and 128 MB system RAM (optional 256 MB). Multiframe linking supports up to eight mainframes/expanders for time-correlated multi-bus capture (up to 8,160 traces class). High-speed digital bus debug; multi-bus system correlation; FPGA/ASIC bring-up; protocol and source-code correlation with optional tool sets; stimulus via pattern-generator modules.

No photo

MODEL

Agilent 16702B

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

16702B

LISTING

**Off-catalog — OEM dat
asheet only**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

Features & description

From manufacturer datasheet

Features

- Mainframe: 16702B with 12.1" touch LCD (800×600); external display to 1600×1200 with Opt 003
- System: 40X CD-ROM; 18 GB HDD; 100BaseT-X LAN; 128 MB RAM (256 MB Opt 003)
- Modular slots for state/timing analyzers, scopes, pattern generators, emulation
- Multiframe: up to 8 interconnected frames; 8,160 time-correlated traces class
- Displays: waveform, listing, histogram, chart, compare; optional eye/protocol/SPA tools
- Remote: ActiveX/COM; TCP/IP ASCII; web browser access
- Options: Opt 001 external monitor; Opt 003 RAM; Opt 008/009 data/removable drives; Opt 012 multiframe
- Compatible modules (examples): 16750/16760 state-timing; 16720A pattern gen (to 300 MVectors/s, 240 ch)

16702B Characteristics / Specifications

PARAMETER	VALUE
Model	16702B
Manufacturer	Hewlett-Packard / Agilent Technologies
Instrument Type	Modular Logic Analysis Mainframe
Family	16700 Series
Alias	HP 16702B; Agilent 16702B System 12.1" touch; LAN; modular LA slots; multiframe capable Operational Notes Prefer Agilent 16700 Series Product Overview for 16702B. Measurement specs (state speed, depth, channels) depend entirely on installed modules—confirm module set on the unit.
Mainframe	16702B with 12.1" touch LCD (800×600); external display to 1600×1200 with Opt 003
System	40X CD-ROM; 18 GB HDD; 100BaseT-X LAN; 128 MB RAM (256 MB Opt 003)
Multiframe	up to 8 interconnected frames; 8,160 time-correlated traces class
Displays	waveform, listing, histogram, chart, compare; optional eye/protocol/SPA tools
Remote	ActiveX/COM; TCP/IP ASCII; web browser access
Options	Opt 001 external monitor; Opt 003 RAM; Opt 008/009 data/removable drives; Opt 012 multiframe
Compatible modules (examples)	16750/16760 state-timing; 16720A pattern gen (to 300 MVectors/s, 240 ch)

16702B Specifications

PARAMETER	VALUE
HP / Agilent 16702B Logic Analysis System	Overview
Key Features	- Mainframe: 16702B with 12.1" touch LCD (800×600); external display to 1600×1200 with Opt 003
Technical Specifications	Model: 16702B

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

PARAMETER	VALUE
Model	16702B
Manufacturer	Hewlett-Packard / Agilent Technologies
Instrument Type	Modular Logic Analysis Mainframe
Family	16700 Series
Alias	HP 16702B; Agilent 16702B

System

12.1" touch; LAN; modular LA slots; multiframe capable

Operational Notes

Prefer Agilent 16700 Series Product Overview for 16702B. Measurement specs (state speed, depth, channels) depend entirely on installed modules-confirm module set on the unit.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.