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August 14, 2026

AGILENT / KEYSIGHT

# Agilent / Keysight E1301A HP 75000 Series B with front panel

The HP/Agilent E1301A isaSeriesBVXI mainframe with integrated Slot 0 controller based on an 8 MHz Motorola 68000. OEM SeriesBmaterials list 7 external B-size slots, 3 external A-size slots, 3 internal B-size slots (P1 only), HPIB and RS-232 interfaces, and optional internal E1326A/B DMM. Compact B-size data acquisition, scanning multimeter systems, and stand-alone IBASIC automated test where optioned. Front panel keyboard and 2×40 vacuum fluorescent display on A/B panel models Optional IBASIC, RAM, disk, and internal DMM



MODEL

**Agilent / Keysight  
E1301A**

CALIBRATION

**Available on  
request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**E1301A**

LISTING

<https://aumictechlabs.com/products/e1301a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

## This unit

The Agilent/Keysight E1301A is a B-size VXI mainframe from the HP 75000 Series, purpose-built as a standalone test platform for VXI-based measurement systems. Unlike its counterpart the HP E1300A, the E1301A includes an integrated front panel with keyboard and vacuum fluorescent display, enabling local operation, troubleshooting, and data monitoring without external controller dependency. This makes it ideal for remote installations and field applications where HP-IB connectivity may be limited. Technical Specifications Form Factor: B-size VXI mainframe Slot Configuration: 9 total slots (7 external, 2 internal); accommodates three A-size and up to seven B-size VXI modules externally Command Module: Built-in command module, functionally equivalent

to HP E1306A Local Control: Front panel keyboard and vacuum fluorescent display for menu navigation, measurement results, and instrument status Interface: HP-IB (IEEE-488) for external controller communication; built-in RS-232 port for terminal, printer, or device connection Trigger I/O: Rear-panel trigger input and pacer output BNC connectors Programmability: SCPI (Standard Commands for Programmable Instruments); optional HP IBASIC for standalone operation Power Supply: Generates backplane logic signals ACFAIL\* and SYSRESET\* per VXI Specification Revision 1.4; optional DC power connector for portable or UPS applications Cooling: Standard cooling; dual-fan option available for demanding module loads Key Features Full VXI Specification compliance (Revision 1.4) with VXI plug&play support Integrated controller eliminates external system requirements Standalone measurement capability via local keyboard interface Optional 3.5-inch ruggedized floppy drive (Option 005) for program and data storage EMC compliant per Directive FTZ 1046/84 Compatibility & Integration The E1301A accepts standard VXI modules and integrates directly with HP-IB peripherals, printers, and measurement instruments. Two internal slots can house B-size modules; one slot reserves space for the controller PCA. Optional multimeter modules (E1326A/E1326B) occupy the remaining internal capacity.

## E1301A Characteristics / Specifications

| PARAMETER              | VALUE                                                        |
|------------------------|--------------------------------------------------------------|
| ExternalBSize Slots    | 7                                                            |
| ExternalASize Slots    | 3                                                            |
| InternalBSize Slots    | 3                                                            |
| Slot 0 Controller      | 8 MHz Motorola 68000                                         |
| Backplane Connectors   | VME/VXI P1 only                                              |
| HPIB Interface         | yes                                                          |
| RS232 Baud Rates       | 300, 1200, 2400, 4800, 9600, 19200                           |
| Default RS2            | 9600 baud, 8 data, no parity, 1 stop, XON pacing             |
| Display                | 2 line by 40 character vacuum fluorescent on keyboard models |
| Keyboard               | front panel keyboard on A/B models                           |
| Nonvolatile RAM Base   | 256 KByte (early units 64 KByte)                             |
| AC Mains               | 115/230 Vac 50/60 Hz                                         |
| Trigger Connectors     | Event In, Trigger Out, Pacer Out                             |
| Panel Configuration    | keyboard and VF display                                      |
| Cooling Note           | standard SeriesBcooling                                      |
| Logical Address Rule   | multiples of 8 except multi-module instruments               |
| Related Command Module | E1306A / E1406A family                                       |

# E1301A Specifications

| PARAMETER                             | VALUE                              |
|---------------------------------------|------------------------------------|
| Agilent E1301A Series B VXI Mainframe | Overview                           |
| Key Features                          | Integrated 68000 Slot 0 controller |
| Technical Specifications              | External B Size Slots: 7           |

# 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                                                        |
|----------------------|--------------------------------------------------------------|
| ExternalBSize Slots  | 7                                                            |
| ExternalASize Slots  | 3                                                            |
| InternalBSize Slots  | 3                                                            |
| Slot 0 Controller    | 8 MHz Motorola 68000                                         |
| Backplane Connectors | VME/VXI P1 only                                              |
| HPIB Interface       | yes                                                          |
| RS232 Baud Rates     | 300, 1200, 2400, 4800, 9600, 19200                           |
| Default RS232        | 9600 baud, 8 data, no parity, 1 stop, XON pacing             |
| Display              | 2 line by 40 character vacuum fluorescent on keyboard models |
| Keyboard             | front panel keyboard on A/B models                           |
| Nonvolatile RAM Base | 256 KByte (early units 64 KByte)                             |

Optional RAM: 512 KByte, 1 MByte, or 2 MByte

Optional Internal DMM: E1326A/B

AC Mains: 115/230 Vac 50/60 Hz

Optional DC Power: available

Optional IBASIC: available

Optional Floppy: 720 KByte or 1.44 MByte with IBASIC

Optional Fixed Disk: 10, 20, or 40 MByte with IBASIC

Specifications

| PARAMETER              | VALUE                                          |
|------------------------|------------------------------------------------|
| Trigger Connectors     | Event In, Trigger Out, Pacer Out               |
| Panel Configuration    | keyboard and VF display                        |
| Cooling Note           | standard SeriesBcooling                        |
| Logical Address Rule   | multiples of 8 except multi-module instruments |
| Related Command Module | E1306A / E1406A family                         |

Notes

Slot counts, controller, interfaces, and options from HP/Agilent E1300 SeriesBdocumentation and configuration guides. Confirm installed options on the rear/option labels.

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto: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.