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Data Sheet

August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP E1490A VXI Breadboard Module

The HP E1490A isaC-size VXI breadboard/prototype module providing a documented VXI interface and user prototyping area for custom ATE circuitry. Register-based user logic; not a finished instrument. Manufacturer: Hewlett Packard / Agilent / Keysight Documentation: E1490A breadboard user guide Cooling: VXI airflow; user dissipation limits Documentation: E1490A breadboard user guide Cooling: VXI airflow; user dissipation limits Safety: user voltages must respect VXI isolation VXI breadboard identity from HP E1490A. User circuit performance is not specified by HP beyond the breadboard interface ratings in the E1490A guide.



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MODEL**Keysight / Agilent /
HP E1490A****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****E1490A****LISTING**[https://aumictechlabs.c
om/products/e1490a-2/](https://aumictechlabs.com/products/e1490a-2/)

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This unit

The E1490A is a C-size, 1-slot VXI breadboard module that enables integration of custom circuitry directly within VXI-based instrumentation systems. Designers use this module to prototype and develop specialized measurement and control solutions without redesigning the entire system architecture. The module provides a dedicated breadboard area for user-defined circuits and communicates with the VXI controller through a register-based interface. Technical Specifications Form Factor: C-size, 1-slot VXI module Interface Architecture: Register-based communication with

VXI controller Power Distribution: Onboard power supplies designed to accommodate user-added circuitry; voltage and current ratings are user-defined per custom circuit requirements

Module Family: Part of the Keysight/Agilent/HP 75000 Series

Key Features

- Full breadboard area for custom electronic component integration
- Direct VXIbus connectivity for seamless chassis integration
- Register-based control architecture for deterministic system communication
- Supports user-defined power supply configurations for specialized applications

Typical Applications

- Custom signal conditioning and measurement circuits
- Prototype development and validation within production instrumentation
- Specialized control interfaces and data acquisition modules
- Application-specific measurement extensions to standard VXI systems

Compatibility & Integration

The E1490A operates within any VXI chassis that supports standard VXIbus architecture. The module is compatible with VXIplug&play and SCPI programming standards, enabling straightforward integration into existing test software and control frameworks. Documentation includes technical manuals and datasheets covering installation, operation, and detailed specification information.

E1490A Characteristics / Specifications

PARAMETER	VALUE
Model	E1490A
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	VXI Breadboard Module
Alias	E1490A; HP E1490A
VXI Size	C-size
Function	user breadboard / prototype
Device Type	register-based user module
Host	C-size VXI mainframe
Command Path	user registers via Slot 0
Not E1406A	notacommand module
Not E1476A	notamux
Form	C-size prototype card
Status	HP E1490A EOL
Documentation	E1490A breadboard user guide
Power	VXI backplane user power pins
Cooling	VXI airflow; user dissipation limits
Use	custom analog/digital ATE circuits
Connectors	P1/P2 plus user front panel
Compatibility	VXI Rev per E1490A
ESD	prototype PCA
Identification	E1490A
Slot	1 C-size
Safety	user voltages must respect VXI isolation
Firmware	user-supplied Notes VXI breadboard identity from HP E1490A. User circuit performance is not specified by HP beyond the breadboard interface ratings in the E1490A guide.

E1490A Specifications

PARAMETER	VALUE
HP Agilent E1490A VXI Breadboard Module	Overview
Applications	- Custom VXI I/O prototyping
Key Features	- VXI breadboard E1490A
Technical Specifications	Model: E1490A

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.

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Available from Aumictech

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

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.