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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E1346A

Programming: SCPI ROUTe CLOSe OPEN SCAN with command module Terminal Interface: screw terminal moduleCSize Path: E1403 adapter Mainframe Family: E1300/E1301 SeriesBTree Terminals: commoned scanning supported Channel count and voltage ratings from Agilent E1346A user's manual Appendix A. Current/power class limits follow the SeriesBreed-mux family ratings stated with E1345A/E1347A; confirm exact path resistance and bandwidth on the E1346A faceplate/manual tables. Terminal Interface: screw terminal moduleCSize Path: E1403 adapter Mainframe Family: E1300/E1301 SeriesBTree Terminals: commoned scanning supported Channel count and voltage ratings from Agilent E1346A user's manual Appendix A. Current/power class limits follow the SeriesBreed-mux family ratings stated with E1345A/E1347A; confirm exact path resistance and bandwidth on the E1346A faceplate/manual tables.



MODEL

**Agilent / Keysight
E1346A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1346A

LISTING

<https://aumictechlabs.com/products/e1346a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight E1346A is a B-size, 1-slot VXI module engineered for high-speed data acquisition and analog switching in precision test environments. It has 48 single-ended analog input channels with dedicated low and guard terminals, enabling flexible signal routing and isolation. Reed relays deliver break-before-make switching with 10^8 operations at no load and 10^7 operations at rated load. The module scans at 600 channels/second and maintains open relay states during power

down and power up for safety-critical applications. Technical Specifications Module Type: Register-based VXI, B-size, 1-slot form factor Channels: 48 single-ended analog inputs plus 1 low and 1 guard terminal Relay Technology: Reed relays with break-before-make switching action Relay Life: 10^8 operations (no load); 10^7 operations (rated load) Scanning Rate: 600 channels/second typical Terminal Compatibility: 16–26 AWG wire (1.5, 1.2, 0.9, 0.75, 0.5 mm) Power States: Relays open on power down and power up Key Features Configurable low/guard isolation via removable factory-installed jumper Analog bus connector on faceplate for direct integration with DMMs and multiplexers Screw terminal block interface (ordered separately) Shared switch card topology with E1343A, E1345A, E1347A, E1355A, and E1356A modules Matrix configuration determined by terminal block selection Typical Applications Multi-channel analog signal acquisition High-speed data logging and test automation Signal routing and switching in instrumentation systems Automated test equipment (ATE) environments requiring fast channel scanning Compatibility & Integration The E1346A operates in B-size VXI mainframes (Agilent E1300B, E1301B) and C-size mainframes with the E1403C active adapter. Analog bus connectivity supports direct measurement with Keysight E1326B and E1411B DMMs, as well as slot-adjacent multiplexer modules. External wiring connects via optional screw terminal blocks.

E1346A Characteristics / Specifications

PARAMETER	VALUE
Channels	48 single ended
Relay Type	reed relay multiplexer
Maximum Voltage Terminal To Terminal	120 V DC or AC rms; 170 V peak
Maximum Voltage Terminal To Chassis	120 V DC or AC rms; 170 V peak
Maximum Current Per Channel Class	50 mA non inductive class per SeriesBlow-offset mux family
Maximum Power Per Channel Class	1 VA class per SeriesBreed mux family
VXI Device Type	register based
Module Size	B
Slots Occupied	1
Connectors	P1
Shared Memory	None
Product Family	E13xx SeriesBmultiplexers
Companion DMM	E1326B / E1411B scanning multimeter
Analog Bus	yes for scanning multimeter
Programming	SCPI ROUTe CLOSe OPEN SCAN with command module
Logical Address	switch selectable
Operating Temperature Class	0 to 55 C
Terminal Interface	screw terminal moduleCSize Path: E1403 adapter
Power On Relays	open class
Documentation	E1346-90004 user's manual
Mainframe Family	E1300/E1301 SeriesBTree Terminals: commoned scanning supported
Operating temperature	Class: 0 to 55 C

E1346A Specifications

PARAMETER	VALUE
Agilent E1346A 48 Channel Single Ended Relay Multiplexer	Overview
Applications	High channel-count single-ended voltage scanning, wire harness test, and dense DAQ multiplexing into E1326B/E1411B multimeters.
Key Features	48 single ended relay channels
Tree terminals for commoned scanning	Register based programming with SCPI via command module
Technical Specifications	Channels: 48 single ended

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
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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	
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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.