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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E1446A Summing Amplifier/DAC

Analog Role: sum and condition arb outputs Trigger Sync Class: family trigger/sync class
 Terminal Interface: front panel analog connectors Documentation: E1446A user/service manuals
 Trigger Sync Class: family trigger/sync class Terminal Interface: front panel analog connectors
 Documentation: E1446A user/service manuals Functional identity and form factor from Agilent/HP E1446A OEM product descriptions. Confirm gain/offset/bandwidth numeric tables in the E1446A manual for calibrated analog limits.



MODEL

Agilent / Keysight E1446A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1446A

LISTING

<https://aumictechlabs.com/products/e1446a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E1446A is a VXIbus C-size, register-based summing amplifier and 16-bit digital-to-analog converter (DAC) module for precision signal processing and data acquisition in automated test systems. It combines two input signal summing with programmable DC offset generation and analog signal scaling. The module drives 20 Vp-p into 50-Ohm loads and 40 Vp-p into high-impedance loads, making it suitable for demanding industrial and scientific test applications.

Technical Specifications
 Module Type: VXIbus C-size, one-slot, register-based module
 Output Drive Capability: 20 Vp-p (50-Ohm load); 40 Vp-p (high-impedance load)
 DAC Resolution: 16-bit
 Signal Inputs: Two independent channels with pre-amplifier attenuators for

independent level control Output Attenuation: Switchable 20-dB post attenuator Programming Interface: SCPI language VXIbus Interface: Standard VXIbus integration

Key Features Summing amplifier with independent input channel control Precision 16-bit DAC for programmable DC offsets and output levels Pre-amplifier attenuators enable independent signal scaling on each input Post-output attenuation for sum reduction without additional external components Register-based control architecture for deterministic operation in automated systems

Typical Applications Multi-signal conditioning and combination in test environments Programmable offset and scaling in data acquisition systems Signal summing with variable gain control DC bias and offset application in precision measurement setups

Compatibility & Integration Programs via SCPI with an Agilent E1406A Command Module or Agilent E1445A Arbitrary Function Generator. The E1446A operates as a servant module to the E1445A when paired with that generator. Standard VXIbus connectivity enables integration into existing modular test systems. This product is listed as Obsolete by Keysight.

E1446A Characteristics / Specifications

PARAMETER	VALUE
Module Function	summing amplifier and DAC
Module Size	C
Slots Occupied	1
VXI Device Type	register based
Companion AFG	E1445A
Stand Alone Use	supported
Programming	SCPI via command module / register
Connectors	P1/P2
Product Family	E144x VXI sources
Analog Role	sum and condition arb outputs
Operating Temperature Class	0 to 55 C
Form Factor	single slot C-size
Calibration	analog path calibration
Input Path Class	arb/summing inputs
Output Path Class	summed analog output
Power Rails	VXI analog supply rails
Related Synthesizer	E1440A
RelatedBSize Source	E1340A
Control Model	register mapped control
Trigger Sync Class	family trigger/sync class
Terminal Interface	front panel analog connectors
System Use	VXI stimulus chain
Documentation	E1446A user/service manuals
Operating temperature	Class: 0 to 55 C

E1446A Specifications

PARAMETER	VALUE
Agilent E1446A Summing Amplifier And DAC	Overview
Applications	Arb output summing, multi-source combining, and DAC-assisted analog stimulus conditioning in C-size VXI systems.
Key Features	Summing amplifier architecture
Digital to analog converter path	Companion to E1445A AFG
Technical Specifications	Module Function: summing amplifier and DAC

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
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Documentation	E1446A user/service manuals Notes Functional identity and form factor from Agilent/HP E1446A OEM product descriptions. Confirm gain/offset/bandwidth numeric tables in the E1446A manual for calibrated analog limits.

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.