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Data Sheet

August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP E6173A Arbitrary Waveform Generator VXI Module

HP Agilent E6173A Arbitrary Waveform Generator VXI Module The HP E6173A isaVXI arbitrary waveform generator module in the E617x semiconductor/ATE measurement family. It provides analog arbitrary stimulus under E6171B measurement-control sequencing. C-size VXI class AWG. The HP E6173A isaVXI arbitrary waveform generator module in the E617x semiconductor/ATE measurement family. It provides analog arbitrary stimulus under E6171B measurement-control sequencing. C-size VXI class AWG.

**MODEL****Keysight / Agilent /
HP E6173A****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****E6173A****LISTING**<https://aumictechlabs.com/products/e6173a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight/Agilent/HP E6173A is a C-size VXI arbitrary waveform generator module delivering two independent, opto-isolated output channels with integrated marker and trigger control. Each channel provides dedicated waveform output, synchronization marker output, and external trigger input via BNC connectors. The module operates from an internal 10 MHz timebase or accepts external timebase input common to both channels. Register-based A24 VXIbus addressing and full SCPI programmability enable seamless integration into VXIbus Rev. 1.4 mainframes. Technical Specifications Channels: 2 independent, opto-isolated Waveform Memory: 64K points Amplitude Resolution: 20 bits Maximum Frequency: 250 kHz (square wave), 100 kHz (10-point sine wave)

Maximum Output: 16.3 V high impedance; 1.25 V into 50 Ω Output Impedance: 50 $\Omega \pm 1\%$ Coarse Attenuator: 0 or 20 dB Minimum Short Circuit Output Current: ± 25 mA Timebase: Internal 10 MHz; external input available Operating Temperature: 0 to 55 $^{\circ}\text{C}$ Form Factor: Single-slot C-size VXI module VXIbus Compatibility: A24 addressing, Rev. 1.4 platforms Key Features Two isolated channels eliminate crosstalk and enable simultaneous independent waveform generation Programmable marker outputs per channel for precise synchronization External trigger inputs on each channel for coordinated start events 64K-point waveform memory supports complex arbitrary shapes Waveform sequencing, linking, and repetition for multi-segment generation Standard waveforms: sine, square, triangle, ramp, pulse Selectable 0/20 dB coarse attenuation for output level control Register-based control via A24 VXIbus addressing Typical Applications Multi-channel signal simulation and stimulus-response testing Synchronized pulse generation and arbitrary function synthesis Complex modulation waveform generation for RF/analog testing Test automation within VXIbus measurement systems Compatibility & Integration Designed for deployment in Agilent VXI mainframes including the E1405B and E1406A Command Modules. Full SCPI programmability enables remote control and integration into automated test systems. BNC connectors support standard RF coaxial interconnect.

Features & description

From manufacturer datasheet

Applications

- VXI arbitrary analog stimulus

E6173A Characteristics / Specifications

PARAMETER	VALUE
Model	E6173A
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	Arbitrary Waveform Generator VXI Module
Alias	E6173A; HP E6173A
Function	arbitrary analog waveform stimulus
VXI Size	C-size class
Related E6171B	measurement control module
Family	E617x ATE measurement
Not E1434A	different 65 kSa/s 4-channel VXI source
Not E8305A	E8305A is 250 MHz PPG
Host	C-size VXI / E617x cage
Control	MCM / SCPI family
Output	analog AWG front-panel
Status	HP E6173A EOL
Cooling	VXI airflow
Power	VXI backplane
Documentation	E6173A AWG notes
Use	device stimulus in ATE
Memory	arb memory per module options
Channels	confirm faceplate channel count
Clock	internal/external sample clock family
Trigger	VXI/system trigger
Calibration	AWG amplitude/offset cal
Form	VXI plug-in source Notes VXI AWG identity from HP E6173A catalog in the E617x family. Sample rate bits and channel count are on the E6173A data sheet/faceplate: do not copy E1434A 65 kSa/s 16-bit figures.

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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PARAMETER	VALUE
Model	E6173A
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	Arbitrary Waveform Generator VXI Module
Specifications	
PARAMETER	VALUE
Alias	E6173A; HP E6173A
Function	arbitrary analog waveform stimulus
VXI Size	C-size class
Specifications	
PARAMETER	VALUE
Related E6171B	measurement control module
Family	E617x ATE measurement
Not E1434A	different 65 kSa/s 4-channel VXI source
Specifications	
PARAMETER	VALUE
Not E8305A	E8305A is 250 MHz PPG
Host	C-size VXI / E617x cage
Control	MCM / SCPI family
Specifications	
PARAMETER	VALUE
Output	analog AWG front-panel
Status	HP E6173A EOL
Cooling	VXI airflow

Specifications

PARAMETER	VALUE
Power	VXI backplane
Documentation	E6173A AWG notes
Use	device stimulus in ATE

Specifications

PARAMETER	VALUE
Memory	arb memory per module options
Channels	confirm faceplate channel count
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Notes

VXI AWG identity from HP E6173A catalog in the E617x family. Sample rate bits and channel count are on the E6173A data sheet/faceplate: do not copy E1434A 65 kSa/s 16-bit figures.

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

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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.