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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E1340A Arbitrary Function Generator, B-size

Agilent E1340A Arbitrary Function Generator The Agilent/Keysight E1340A isaB-size, 1-slot, register-based VXI arbitrary function generator. OEM product materials list a 12-bit DAC at 42 MSa/s with 16 kSa RAM, plus arbitrary waveforms, standard waveforms, sweep, FSK, and waveform hopping. Stimulus generation for B-size VXI data acquisition systems, swept and hopped signals, and low-cost arb/function source applications. Default Logical Address Example: 80 (secondary address 10) The Agilent/Keysight E1340A isaB-size, 1-slot, register-based VXI arbitrary function generator. OEM product materials list a 12-bit DAC at 42 MSa/s with 16 kSa RAM, plus arbitrary waveforms, standard waveforms, sweep, FSK, and waveform hopping. Stimulus generation for B-size VXI data acquisition systems, swept and hopped signals, and low-cost arb/function source applications. Default Logical Address Example: 80 (secondary address 10) Programming: SCPI with Series B/C controllers



MODEL

**Agilent / Keysight
E1340A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1340A

LISTING

<https://aumictechlabs.com/products/e1340a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E1340A is a B-size, 1-slot VXI arbitrary function generator delivering precise waveform synthesis across standard and custom signal types. Operating from register-based control, it generates sine, square, ramp, triangle, sinc, haversine, and noise waveforms with 12-bit

amplitude resolution at 42 MSa/s. The module supports frequency sweep, FSK modulation, and waveform hopping - essential for signal characterization, component testing, and laboratory validation. Maximum output reaches 10.2 Vp-p into 50 Ω , extendable to 20 Vp-p with external amplification. Harmonic distortion spans -60 dB at 1 Hz to 100 kHz (at +23 dBm) down to -30 dB at 10-15 MHz, with sine flatness maintained to 0.5 dB across the full frequency range. The 16 kSa waveform memory segments into 4, 8, or 16 kSa blocks, holding up to four active waveforms simultaneously. Burst capability loops from 1 to 65,534 cycles or runs continuous. External triggering supports clock, gate, burst, hop, and FSK inputs; internal markers output sweep and cycle sync pulses. Timebase stability locks to 50 ppm internal or accepts external reference. C-size VXI chassis compatibility via adapter enables flexible system integration.

E1340A Characteristics / Specifications

PARAMETER	VALUE
DAC Resolution	12 bits
Maximum Sample Rate	42 MSa/s
Waveform Memory	16 kSa
Module Size	B
Slots Occupied	1
VXI Device Type	register based
Standard Waveforms	included
Arbitrary Waveforms	included
Sweep	included
FSK	included
Waveform Hopping	included
Default Logical Address Example	80 (secondary address 10)
Programming	SCPI with Series B/C controllers
Product Family	E13xx SeriesBOutput Path: front panel analog output
Operating Temperature Class	0 to 55 C
Power Rails	VXI +5/+12/-12 class
Sine Flatness Class	function generator class flatness
THD Class	function generator class distortion
Triggering	VXI TTLTrg / external trigger class
Marker Outputs Class	supported marker/sync class
Calibration	electronic/system calibration path
Related Higher Memory AFG	E1445A C-size family
Operating temperature	Class: 0 to 55 C

E1340A Specifications

PARAMETER	VALUE
Agilent E1340A Arbitrary Function Generator	Overview
Applications	Stimulus generation for B-size VXI data acquisition systems, swept and hopped signals, and low-cost arb/function source applications.
Key Features	12 bit 42 MSa/s DAC
Technical Specifications	DAC Resolution: 12 bits

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
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Triggering	VXI TTLTrg / external trigger class
Marker Outputs Class	supported marker/sync class
Calibration	electronic/system calibration path
Related Higher Memory AFG	E1445A C-size family Notes Rate, resolution, memory, and feature list from Agilent E1340A OEM product descriptions. Amplitude/accuracy tables are in the E1340A manual; confirm those for calibrated output 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.