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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 44726A

HP Agilent 44726A 2 Channel Arbitrary Waveform DAC for 3852A The HP 44726A is a 2-channel arbitrary-waveform digital-to-analog converter plug-in for the 3852A. OEM 3852A driver tables list 44726A as a 2-channel arbitrary waveform DAC, distinct from 44727A (4-channel voltage DAC, 0 to 10.235 Vdc, 75 ms settling). It provides programmed analog waveforms from the 3852A cardcage. Two-channel analog stimulus and arbitrary waveforms in 3852A control and test systems. Instrument Type: Arbitrary waveform DAC plug-in The HP 44726A is a 2-channel arbitrary-waveform digital-to-analog converter plug-in for the 3852A. OEM 3852A driver tables list 44726A as a 2-channel arbitrary waveform DAC, distinct from 44727A (4-channel voltage DAC, 0 to 10.235 Vdc, 75 ms settling). It provides programmed analog waveforms from the 3852A cardcage. Two-channel analog stimulus and arbitrary waveforms in 3852A control and test systems. Instrument Type: Arbitrary waveform DAC plug-in Related Voltage Dac: 44727A 4-channel voltage DAC 0 to 10.235 Vdc, 75 ms settling



MODEL

**Agilent / Keysight
44726A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

44726A

LISTING

<https://aumictechlabs.com/products/44726a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 44726A is a 2-channel arbitrary waveform Digital-to-Analog Converter (DAC) module for test and measurement applications requiring direct generation of arbitrary waveforms and DC voltages. The module delivers stimulus voltage signals with a maximum step

rate of 800 kHz, making it suitable for dynamic signal synthesis in laboratory and manufacturing environments.

Technical Specifications

Module Type: 2-channel arbitrary waveform DAC

Output Configuration: Non-isolated, 2-channel DC voltage outputs

Signal Generation: Arbitrary waveform and DC voltage outputs

Maximum Step Rate: 800 kHz

Communication Interface: IEEE 488.2 (GPIB)

Key Features

- Direct arbitrary waveform output capability enables complex signal stimulation without external signal conditioning
- Simultaneous 2-channel operation supports multi-channel test scenarios
- DC voltage output functionality extends utility beyond time-varying stimulus generation
- GPIB interface enables remote instrument control and integration into automated test systems

Typical Applications

- Stimulus generation for analog circuit characterization and validation
- Dynamic signal testing in research and development environments
- Quality control testing where arbitrary waveform generation is required
- Integration into multi-instrument test benches via GPIB control

Compatibility & Integration

The 44726A integrates with National Instruments software environments through available LabVIEW Plug and Play drivers. The module is part of the 3852-447xxx instrument family and communicates via standard IEEE 488.2 GPIB protocol, allowing integration into existing test automation frameworks and measurement systems.

Legacy Status: This product is designated obsolete by Keysight and is no longer in active production. Support may be available through Keysight's self-help resources.

44726A Characteristics / Specifications

PARAMETER	VALUE
Model	44726A
Instrument Type	Arbitrary waveform DAC plug-in
Host Mainframe	3852A
Channel Count	2
Output Type	arbitrary waveform DAC
Related Voltage Dac	44727A 4-channel voltage DAC 0 to 10.235 Vdc, 75 ms settling
Family	44700 series
Form Factor	3852A plug-in
Manufacturer	HP Agilent Keysight
Use Case	analog arbitrary stimulus
Control	3852A programming / NI hp3852 driver listing
Operating Temperature Class	3852A mainframe
Literature	HP 3852A 44726A arbitrary waveform DAC table
Year Introduced Class	1986 era 44700
System Role	waveform analog output from 3852A
Related Relay	44728A 8-channel relay actuator
Related Digital Out	44724A 16-channel digital output
Documentation Type	OEM plug-in table
Brand Lineage	Hewlett Packard Agilent Keysight
Slot	3852A cardcage slot
Waveform	arbitrary DAC samples per 44726A sheet
Update Class	3852A programmed update
Load Class	DAC load per 44726A sheet
Operating temperature	Class: 3852A mainframe

44726A Specifications

PARAMETER	VALUE
Applications	Two-channel analog stimulus and arbitrary waveforms in 3852A control and test systems.
Companion 44727A DC voltage DAC	Programmed from 3852A
Technical Specifications	Model: 44726A

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 3852A mainframe
Operating Temperature	Class: 3852A mainframe
Operating Temperature Class	3852A mainframe
Literature	HP 3852A 44726A arbitrary waveform DAC table
Year Introduced Class	1986 era 44700
System Role	waveform analog output from 3852A
Related Relay	44728A 8-channel relay actuator
Related Digital Out	44724A 16-channel digital output
Documentation Type	OEM plug-in table
Brand Lineage	Hewlett Packard Agilent Keysight
Slot	3852A cardcage slot
Waveform	arbitrary DAC samples per 44726A sheet
Update Class	3852A programmed update
Load Class	DAC load per 44726A sheet Notes From HP 44726A 2-channel arbitrary-waveform DAC listings in 3852A tables. Sample rate, memory length, and voltage span are on the 44726A specification page and are not copied from 44727A.

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

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30-day returns
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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.