

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

HP / AGILENT

HP / Agilent 8406A COMB GENERATOR

HP Agilent 8406A Frequency Comb Generator The HP 8406A frequency comb generator produces a selectable spectral-line comb with 1 MHz, 10 MHz, or 100 MHz spacing, usable to at least 4 GHz. OEM descriptions position it as a calibration aid for frequency-domain instruments such as spectrum analyzers, with continuously variable output and interpolation amplitude controls. Used to calibrate spectrum analyzers and other frequency-domain displays, provide known marker combs for frequency identification, and support service labs needing dense spectral lines to 4 GHz. The HP 8406A frequency comb generator produces a selectable spectral-line comb with 1 MHz, 10 MHz, or 100 MHz spacing, usable to at least 4 GHz. OEM descriptions position it as a calibration aid for frequency-domain instruments such as spectrum analyzers, with continuously variable output and interpolation amplitude controls. Used to calibrate spectrum analyzers and other frequency-domain displays, provide known marker combs for frequency identification, and support service labs needing dense spectral lines to 4 GHz.



MODEL

HP / Agilent 8406A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

8406A

LISTING

<https://aumictechlabs.com/products/8406a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The HP/Agilent 8406A comb generator is a specialized signal source designed to generate a spectrum of harmonically related frequencies. This instrument is valuable in testing and calibration scenarios for receivers, spectrum analyzers, and other electronic test equipment. The

8406A provides a stable and accurate frequency comb, making it suitable for applications requiring precise frequency references. Its solid design and reliable performance make it a staple in many calibration labs and electronic testing environments.

8406A Characteristics / Specifications

PARAMETER	VALUE
Comb line spacing option	100 MHz
Usable frequency coverage	at least 4 GHz
Output level control	continuously variable
Interpolation amplitude control	continuously variable
AC line voltage	115/230 V
Width	130 mm
Height	155 mm
Depth	279 mm
Instrument category	frequency comb generator
Primary use	frequency-domain instrument calibration
Manufacturer era	Hewlett-Packard laboratory instrument
Spectral lines	discrete harmonics of selected spacing
Maximum stated useful range	4 GHz minimum
Form factor	tablemodel with push buttons
Spacing select 1 Mc	1 MHz
Spacing select 10 Mc	10 MHz
Spacing select 100 Mc	100 MHz
Comb usability stated minimum	4 GHz
Case material	metal
Control style	front panel push buttons and level controls
Calibration target instruments	spectrum analyzers

8406A Specifications

PARAMETER	VALUE
HP Agilent 8406A Frequency Comb Generator	Overview
Key Features	Selectable comb spacing of 1 MHz, 10 MHz, or 100 MHz
Technical Specifications	Comb line spacing option 1: 1 MHz

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	
Specifications	
PARAMETER	VALUE
Comb line spacing option 1	1 MHz
Comb line spacing option 2	10 MHz
Comb line spacing option 3	100 MHz
Usable frequency coverage	at least 4 GHz
Output level control	continuously variable
Interpolation amplitude control	continuously variable
AC line voltage	115/230 V
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Notes	
Numeric and dimensional values are from Hewlett-Packard 8406A published descriptions (including	

Radiomuseum/OEM summary data). Detailed harmonic amplitude tables may appear only in the original operating note; expand from that document when available.

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.