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Data Sheet

August 8, 2026

AGILENT

HP / Agilent 83630A Synthesized Sweeper, 10 MHz to 26.5 GHz, : +13.0 dBm

HP / Agilent 83630A Synthesized Sweeper, 10 MHz to 26.5 GHz, : +13.0 dBm The HP / Agilent 83630A is a synthesized sweeper covering 10 MHz to 26.5 GHz with +13.0 dBm maximum leveled output. It provides synthesizer accuracy with step/list/ramp sweep versatility, low SSB phase noise via indirect synthesis, and harmonic performance typically ≥ 50 dB below the carrier from 2.0 to 26.5 GHz. Power sweep spans -20 dBm to maximum; Opt 001 step attenuator extends low-level drive to about -110 dBm. Broadband component and receiver test; amplifier/filter characterization; frequency conversion stimulus; scan modulation and two-tone offset measurements; automated ATE with user flatness correction. The HP / Agilent 83630A is a synthesized sweeper covering 10 MHz to 26.5 GHz with +13.0 dBm maximum leveled output. It provides synthesizer accuracy with step/list/ramp sweep versatility, low SSB phase noise via indirect synthesis, and harmonic performance typically ≥ 50 dB below the carrier from 2.0 to 26.5 GHz. Power sweep spans -20 dBm to maximum; Opt 001 step attenuator extends low-level drive to about -110 dBm. Broadband component and receiver test; amplifier/filter characterization; frequency conversion stimulus; scan modulation and two-tone offset measurements; automated ATE with user flatness correction.

No photo

MODEL

Agilent 83630A

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

83630A

LISTING

**Off-catalog — OEM dat
asheet only**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

Features & description

From manufacturer datasheet

Features

- Frequency: 10 MHz to 26.5 GHz • Resolution: 1 Hz with Option 008 • Sweep modes: Step, List, Ramp
- Maximum leveled power: +13.0 dBm • Power sweep: -20 dBm to maximum (+13 dBm) • Harmonics: ≤ -50 dBc class, 2.0–26.5 GHz • Phase noise: -74 dBc class (26.5 GHz at 10 kHz) • Max FM deviation (locked): ± 8 MHz • Scan modulation; user flatness correction; GPIB • Power resolution: 0.02 dB class

83630A Characteristics / Specifications

PARAMETER	VALUE
Model	83630A
Manufacturer	Hewlett-Packard / Agilent / Keysight
Instrument Type	Synthesized Sweeper
Family	8360A Series
Alias	HP 83630A; Agilent 83630A Frequency / Power 10 MHz–26.5 GHz; +13.0 dBm max leveled Operational Notes Prefer Agilent 8360 Series / 83630A specifications. Distinct from 83630B and from 8510-dedicated 83631A. Verify options on unit label.
Frequency	10 MHz to 26.5 GHz
Resolution	1 Hz with Option 008
Sweep modes	Step, List, Ramp
Maximum leveled power	+13.0 dBm
Power sweep	–20 dBm to maximum (+13 dBm)
Harmonics	≤ –50 dBc class, 2.0–26.5 GHz
Phase noise	–74 dBc class (26.5 GHz at 10 kHz)
Max FM deviation (locked)	±8 MHz
Power resolution	0.02 dB class

83630A Specifications

PARAMETER	VALUE
Key Features	- Frequency: 10 MHz to 26.5 GHz
Technical Specifications	Model: 83630A
Frequency / Power	10 MHz–26.5 GHz; +13.0 dBm max leveled
Operational Notes	Prefer Agilent 8360 Series / 83630A specifications. Distinct from 83630B and from 8510-dedicated 83631A. Verify options on unit label.

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.

performance typically ≥ 50 dB below the carrier from 2.0 to 26.5 GHz. Power sweep spans -20 dBm to maximum; Opt 001 step attenuator extends low-level drive to about -110 dBm.

Applications

Broadband component and receiver test; amplifier/filter characterization; frequency conversion stimulus; scan modulation and two-tone offset measurements; automated ATE with user flatness correction.

Key Features

- Frequency: 10 MHz to 26.5 GHz
- Resolution: 1 Hz with Option 008
- Sweep modes: Step, List, Ramp
- Maximum leveled power: +13.0 dBm
- Power sweep: -20 dBm to maximum (+13 dBm)
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Technical Specifications

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Family	8360A Series
Alias	HP 83630A; Agilent 83630A

Frequency / Power

10 MHz-26.5 GHz; +13.0 dBm max leveled

Operational Notes

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Ordering Information

OPTION	DESCRIPTION
Option 008	Sweep modes: Step, List, Ramp

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

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<https://aumictechlabs.com>

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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.