

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 2, 2026

AGILENT

HP Agilent 83630B

HP / Agilent 83630B Synthesized Swept-Signal Generator, 0.01 – 26.5 GHz, +13 dBm calibrated

The 83630B provides a synthesized swept-signal generator designed for broadband RF and microwave test from 10 MHz to 26.5 GHz with +13 dBm calibrated output level per inventory status, harmonic performance to –50 dBc class across 2 to 26.5 GHz, and 8360B-series modulation and pulse capabilities. Broadband CW and swept-frequency stimulus for receiver and component test; amplifier and filter characterization; spurious and harmonic margin verification; pulsed and AM/FM modulated signal generation; automated test with step attenuator option for low-level drive. The 83630B provides a synthesized swept-signal generator designed for broadband RF and microwave test from 10 MHz to 26.5 GHz with +13 dBm calibrated output level per inventory status, harmonic performance to –50 dBc class across 2 to 26.5 GHz, and 8360B-series modulation and pulse capabilities. Broadband CW and swept-frequency stimulus for receiver and component test; amplifier and filter characterization; spurious and harmonic margin verification; pulsed and AM/FM modulated signal generation; automated test with step attenuator option for low-level drive.

No photo

MODEL

Agilent 83630B

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

83630B

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

- Synthesized sweeper, 10 MHz to 26.5 GHz • +13 dBm calibrated output (inventory calibration status)
- Harmonics ≤ -50 dBc class, 2 to 26.5 GHz • 1 Hz frequency resolution with Option 008 • Pulse, AM, and FM modulation (8360B series class) • Step attenuator Option 001 to approximately -110 dBm class output

83630B Characteristics / Specifications

PARAMETER	VALUE
Model	83630B
Manufacturer	HP / Agilent
Instrument Type	Synthesized Swept-Signal Generator
Frequency Range	10 MHz to 26.5 GHz
Calibrated Output Level	+13 dBm (inventory calibration status)
Harmonics	≤ -50 dBc class, 2 to 26.5 GHz
Frequency Resolution	1 Hz with Option 008
Modulation	Pulse, AM, FM (8360B series class)
Attenuator Option	Option 001 step attenuator to approximately -110 dBm class
Alias	83630B Standard Operating Conditions Allow reference and leveling warm-up per manufacturer procedure before calibrated-level measurements. Terminate or pad outputs appropriately for low-level attenuated configurations. Confirm installed options (008, 001) from faceplate before quoting resolution or minimum output.

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 to -50 dBc class across 2 to 26.5 GHz, and 8360B-series modulation and pulse capabilities.

Applications

Broadband CW and swept-frequency stimulus for receiver and component test; amplifier and filter characterization; spurious and harmonic margin verification; pulsed and AM/FM modulated signal generation; automated test with step attenuator option for low-level drive.

Key Features

- Synthesized sweeper, 10 MHz to 26.5 GHz
- +13 dBm calibrated output (inventory calibration status)
- Harmonics $\leq$ -50 dBc class, 2 to 26.5 GHz
- 1 Hz frequency resolution with Option 008
- Pulse, AM, and FM modulation (8360B series class)
- Step attenuator Option 001 to approximately -110 dBm class output

Technical Specifications

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Model	83630B
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Instrument Type	Synthesized Swept-Signal Generator
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Modulation	Pulse, AM, FM (8360B series class)
Attenuator Option	Option 001 step attenuator to approximately -110 dBm class
Alias	83630B

Standard Operating Conditions

Allow reference and leveling warm-up per manufacturer procedure before calibrated-level measurements. Terminate or pad outputs appropriately for low-level attenuated configurations. Confirm installed options (008, 001) from faceplate before quoting resolution or minimum output.

Operational Notes

Catalog title "+13 dBm calibrated" reflects inventory calibration status, not a separate model variant. Option 008 and Option 001 materially affect frequency resolution and minimum output level—verify option set on unit label. Alias 83630B.

Ordering Information

OPTION	DESCRIPTION
Option 008	Pulse, AM, and FM modulation (8360B series class)
Option 001	to approximately -110 dBm class output

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

Aumictech
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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.