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Data Sheet

August 1, 2026

HP

HP 8350B Sweep Oscillator & HP 86290B RF Plug-In Tested!

HP 8350B Sweep Oscillator with HP 86290B RF Plug-In The HP 8350B is a programmable sweep oscillator mainframe. Paired with the HP 86290B RF plug-in through the HP 11869A adapter, it provides a solid-state swept and CW microwave source covering 2.0 to 18.6 GHz. The 86290B was originally designed for the 8620C mainframe; the 11869A supplies the electrical and mechanical interface so 86200-series plug-ins can run in the 8350B while retaining mainframe sweep, marker, and HP-IB features. Note that specific plug-in functions such as output power level and RF on/off are not programmable from the 8350B when using the adapter. The HP 8350B is a programmable sweep oscillator mainframe. Paired with the HP 86290B RF plug-in through the HP 11869A adapter, it provides a solid-state swept and CW microwave source covering 2.0 to 18.6 GHz. The 86290B was originally designed for the 8620C mainframe; the 11869A supplies the electrical and mechanical interface so 86200-series plug-ins can run in the 8350B while retaining mainframe sweep, marker, and HP-IB features. Note that specific plug-in functions such as output power level and RF on/off are not programmable from the 8350B when using the adapter. Broadband microwave swept stimulus for scalar network analysis and component test; CW and swept sources from 2 to 18.6 GHz; marker-based frequency location; ATE with HP-IB control of the 8350B mainframe.

No photo

MODEL HP 8350B	CALIBRATION N/A — off-catalog OEM datasheet
CONDITION See OEM documentation	STATUS Not listed on Aumictech inventory
RFQ / SKU 8350B	LISTING Off-catalog — OEM datasheet only

- NIST-traceable cal
- SAM registered
- 30-day returns
- NAICS 423690 · 811210 · 541380

Features & description

From manufacturer datasheet

Features

- 8350B Mainframe
- Softkey UI with knob, keyboard, and step entry
- Five independent markers; marker delta
- Complete HP-IB programmability
- Save/recall instrument states; nonvolatile memory
- Compatible with 83500-series plug-ins directly and 86200-series via 11869A
- Direct compatibility with HP 8757 scalar and HP 8510 vector systems (with appropriate interfaces)
- Self-test at power-on

8350B Characteristics / Specifications

PARAMETER	VALUE
System	8350B mainframe + 86290B plug-in (+ 11869A adapter required) 8350B Mainframe
Instrument Type	Sweep oscillator mainframe
Power	100/120/220/240 V class; VA rating includes plug-in
Features	START/STOP and CF/delta-F sweep; markers; HP-IB 86290B RF Plug-In
Frequency Range	2.0 to 18.6 GHz
Band	12.0 to 18.6 GHz
Band 4 (Full)	2.0 to 18.6 GHz
CW Frequency Accuracy (individual bands)	approximately +/-20 MHz class
Net Weight	about 9.6 lb (4.4 kg)
Dimensions	about 5 inHx 5-13/16 inWx 12 inDOptions: rear RF output (004); APC-7 connector (005) 11869A Adapter Provides interface between 8350B and 86200-series plug-ins. Special PROM may be required for certain 862xx models; 86290B is listed among supported adapters.
Band 1	2.0 to 6.2 GHz; Band 2: 6.0 to 12.4 GHz; Band 3: 12.0 to 18.6 GHz; Band 4: full 2.0 to 18.6 GHz continuous

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

System: 8350B mainframe + 86290B plug-in (+ 11869A adapter required)

8350B Mainframe

Specifications

PARAMETER	VALUE
Instrument Type	Sweep oscillator mainframe
Power	100/120/220/240 V class; VA rating includes plug-in
Features	START/STOP and CF/delta-F sweep; markers; HP-IB

86290B RF Plug-In

Specifications

PARAMETER	VALUE
Frequency Range	2.0 to 18.6 GHz
Band 1	2.0 to 6.2 GHz
Band 2	6.0 to 12.4 GHz
Band 3	12.0 to 18.6 GHz
Band 4 (Full)	2.0 to 18.6 GHz
CW Frequency Accuracy (individual bands)	approximately +/-20 MHz class

Full-band CW Accuracy: approximately +/-80 MHz class

Net Weight: about 9.6 lb (4.4 kg)

Dimensions: about 5 inHx 5-13/16 inWx 12 inDOptions: rear RF output (004); APC-7 connector (005)

11869A Adapter

Provides interface between 8350B and 86200-series plug-ins. Special PROM may be required for certain 862xx models; 86290B is listed among supported adapters.

Standard Operating Conditions

Install 86290B into 11869A, then into 8350B. Allow warm-up for frequency stability. Use appropriate microwave cables and leveling as required by the measurement.

Operational Notes

Omit sales wording such as "Tested!" from identification. Power level and RF on/off may require local plug-in controls when using the 11869A. For native 83500-series broadband plug-ins (for example 83592A/B) the adapter is not required.

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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.