

KEYSIGHT TECHNOLOGIES (AGILENT HP)

83630A

The Keysight (Agilent) 83630A is a high-performance synthesized sweeper that provides broadband coaxial frequency coverage from 10 MHz to 26.5 GHz. It combines the frequency accuracy and resolution of a synthesizer with the speed and versatility of a sweep oscillator, making it ideal for component test, receiver evaluation, and frequency translation applications.

SPECIFICATIONS

General

Interfaces	GPIB (HP-IB)
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Physical

Power Supply	90 to 132 VAC (48 to 440 Hz) / 198 to 264 VAC (48 to 66 Hz), 250 VA typical, 400 VA maximum
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Operating Temperature	0 to +55 °C °C
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Dimensions (W×H×D)	425 mm × 178 mm × 648 mm mm
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Weight	27 kg kg
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Frequency Specifications

Frequency Range	10 MHz to 26.5 GHz
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Frequency Resolution	1 kHz (standard) / 1 Hz (with Option 008)
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Internal Reference Frequency	10 MHz
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Output Power

Minimum Leveled Power	-20 dBm (standard) / -110 dBm (with Option 001)
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Output Impedance	50 Ω (nominal)
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Rear Panel Inputs & Outputs

RF Output Connector Type	3.5 mm (APC-3.5) male
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External Reference Input Frequency	10 MHz
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Reference Output Frequency	10 MHz
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Power & Physical Characteristics

Rack Unit Height	4U
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Environmental & Safety

Storage Temperature Range	-40 to +75 °C
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Altitude Limits	up to 4,570 m (15,000 ft)
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Ordering Information & Options

Option 001	110 dB step attenuator (10 dB steps)
Option 002	Internal modulation generator
Option 004	Rear-panel RF output
Option 008	1 Hz frequency resolution

Options

Option 006	Fast pulse modulation
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TECHNOLOGY

Indirect synthesis sweep generator

APPLICATIONS

Component test, receiver test, frequency conversion, scan modulation simulation

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.