

KEYSIGHT TECHNOLOGIES (AGILENT HP)

3245A

The HP 3245A Universal Source is a precision programmable source capable of generating DC voltage, DC current, AC voltage, and AC current. It offers high-resolution and low-resolution operating modes, selectable 0 Ω /50 Ω output impedance, extensive triggering, and optional dual-channel operation with independent programming per channel.

SPECIFICATIONS

Output Configuration

Output polarity	Bipolar (positive and negative)
Output impedance modes	Selectable 0 Ω or 50 Ω

DC Voltage Source

Voltage ranges (high-resolution, 0 Ω)	1 V, 10 V
Voltage ranges (high-resolution, 50 Ω)	0.5 V, 5 V

AC Voltage Source

Square wave rise time	<250 ns
Arbitrary waveform memory depth (voltage)	2048 points
Arbitrary amplitude resolution (voltage)	12 bits
Arbitrary smoothing filter	1.2 MHz, 5-pole
Arbitrary sample rate	4.295 MHz
Arbitrary waveform repetition rate	0 to 1 MHz
Arbitrary frequency resolution	0.001 Hz

AC Current Source

Arbitrary waveform memory depth (current)	2048 points
Arbitrary amplitude resolution (current)	12 bits

Dynamic Performance and Timing

Software triggering	Supported
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Interfaces and Connectivity

GPIB interface	HP-IB (GPIB/IEEE-488) control
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Software and Memory

Waveform storage	Waveforms can be stored in instrument memory for future output
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