

KEYSIGHT TECHNOLOGIES (AGILENT HP)

81104A

The Agilent / Keysight 81104A is an 80 MHz single- or dual-channel pulse pattern generator mainframe. Designed to operate with one or two 81105A output modules, it provides versatile pulse, burst, and pattern capabilities, including RZ and NRZ formats up to 16 kbit per channel. With dual modules installed, channels can be added to simulate glitches, test clock-recovery circuits, or generate complex 3- or 4-level codes.

SPECIFICATIONS

General

Warm-up Time	30 minutes
Recommended Calibration Interval	1 year

Physical

Power Supply	100 to 240 V AC, 50/60 Hz
Operating Temperature	0 to 55 °C

Mainframe and Configuration

Maximum Frequency	80 MHz
Number of Supported Channels	1 or 2 (requires 81105A output modules)
Module Compatibility	Keysight / Agilent 81105A
Maximum Frequency (Channel-add mode)	approx. 60 MHz
Maximum Frequency (1000-ohm source mode)	approx. 60 MHz
Maximum Frequency (Combined Channel-add & 1000-ohm)	approx. 15 MHz

Pulse Timing Characteristics

Transition Time (Rise/Fall)	Variable
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Amplitude and Output Characteristics

Amplitude	10 V (from 50 Ohms into 50 Ohms)
Source Impedance Selectability	50 Ohms / 1000 Ohms selectable

Pattern Generation Capabilities

Memory Depth per Channel	16 kbit
Data Formats	RZ, NRZ
Channel Addition Capability	Supported (requires two 81105A modules)

Software & Control

Programming Interface	SCPI
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Power

Maximum Power Consumption	300 VA
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TECHNOLOGY

Pulse/Pattern Generation

APPLICATIONS

Glitch simulation, clock-recovery circuit testing, multi-level (3- or 4-level) code generation

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