



Easy and Understandable Reasons to Migrate from the Legacy Models 81101A, 81104A, 81105A Pulse-Generators to the New 81150A Pulse-Function-Arbitrary-Noise-Generators

The reasons:

- Differential outputs for new bus standards
- Higher output frequency range at the same price for ever-evolving test needs
- Jitter injection for stress testing of digital receivers
- 4-in-1 instrument for a huge variety of new test scenarios without external cabling
- Signal pass-through mode for in-situ waveform modifications
- Two event control outputs per channel for comprehensive and automated test setups
- USB, LAN, and GPIB interfaces for faster and easier remote control and automation

The bottom line:

- Ensure the operability and maintenance of your test systems for the next years
- Reduce the complexity of the test setups by the 4-in-1 integrated instrument approach



Standard Three-Year Warranty
www.agilent.com/find/ThreeYearWarranty



Learn more information from www.agilent.com/find/81150A and www.agilent.com/find/pulse

NEW! – UP TO \$2K Trade-In Credit! TRADE-IN SPECIAL ID: T-WW-24-002 VALID UNTIL: October 31, 2014

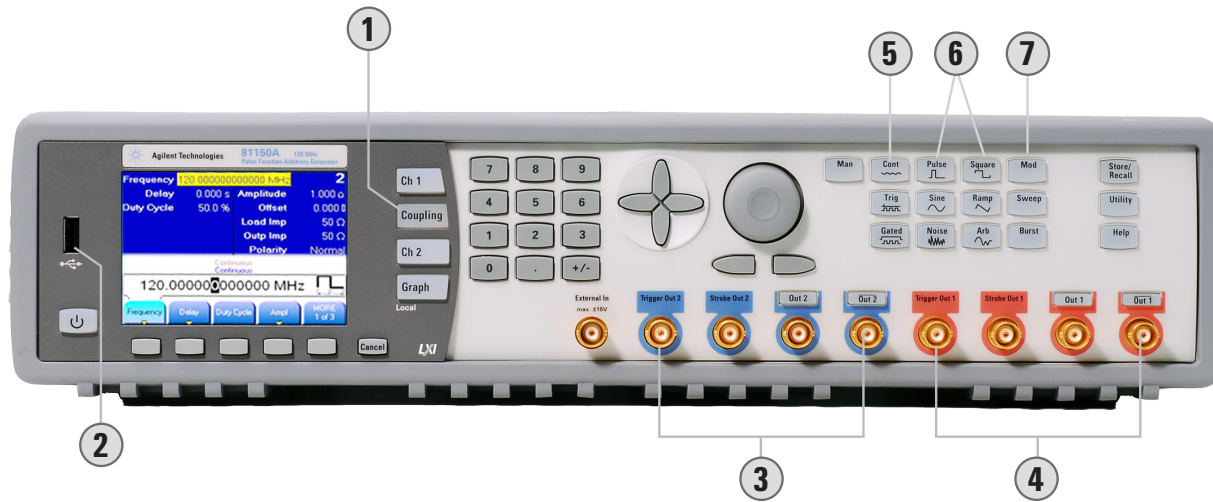
Anticipate — Accelerate — Achieve



Agilent Technologies

Agilent 81150A pulse function arbitrary noise generator

Triple versatility, optimum signal fidelity—from anywhere at any time



Standard, complete connectivity!

LXI Class C compliant

1. Couple/uncouple channels/channel add
2. USB 2.0A
3. Channel 2: Trigger out; strobe out; differential output
4. Channel 1: Trigger out; strobe out; differential output
5. Trigger mode
6. Waveform mode
7. Advanced mode: modulation/sweep/burst
8. Keypad

Choose your hardware

Code	Description
#001	81150A with 1 channel
#002	81150A with 2 channels
#DOC	Printed documentation
#1CP	Rack mount kit
#1A6	Z 540 calibration documents
#1A7	ISO 17025 calibration documents
#PAT	Pattern generator license

A 4-in-1 device for accelerated and accurate insight into your device

1. Create pulse, sine, square, ramp, noise, and arbitrary waveforms to test your device—not the source.
2. A 2 Channel version can be used either as 2 independent generators or as time synchronized coupled or added.
3. Integrated in one instrument, which increases signal performance, minimizes cabling, space, and test time.
4. Glitch free change of timing parameters (delay, frequency, transition time, width, delay cycle).
5. Programming language compatible with Agilent 81101A, 81104A and 81110A.

Key specifications	Description
Bandwidth	1 μ Hz to 120 MHz (250 sine)
Waveforms	Noise, adjustable crest factor, sine, pulse, square, vamp, arbitrary waveform
Channels	1 or 2, differential outputs
Output amplitude amplifier	
High voltage	200 mVpp to 20Vpp ¹
High bandwidth	100 mVpp to 10Vpp ²
Modulation types	AM, FM, PM, FSK, PWM external and internal
Transition times	> 2.5 ns
Output impedance	50 Ω / 5 Ω selectable
Sample rate	14-bit, 2 G/s arbitrary waveform
Memory	Arbitrary: 512 k points per channel Pattern: 16 Mbit per channel
Noise repetition rate	26 days
Display	Color, bright
Programming interfaces	LAN, SCPI 1992, IEEE 488.2 (GPIB), USB
Supported drivers	Agilent VEE, IVI-COM, NI Labview, Matlab®

1. 5 Ω into 50 Ω , or 50 Ω into open; 100 mVpp to 10 Vpp @ 50 Ω into 50 Ω
2. 5 Ω into 50 Ω , or 50 Ω into open; 50 mVpp to 5 Vpp @ 50 Ω into 50 Ω

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Product specifications and descriptions in this document subject to change without notice.

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