

- 1 μ Hz – 120 MHz pulse with variable rise/fall time
- Glitch free change of timing
- Two trigger up to 120 MHz
- Coupled/uncoupled channels

- 1 μ Hz – 240 MHz sine
- FM, AM, PM, FSK, PWM up to 10 MHz modulation frequency
- Internal and external modulation
- 14 bit, 2 GSa/s arbitrary waveforms

- Crest factor ($V_{\text{peak}}/\text{RMS}$) selectable 3.1, 4.8, 6, 7
- Noise type: repeatable, random and triggerable
- Signal repetition rate >26 days

The Agilent 81150A

Just generate the signal needed without compromises – the new lab standard



Pulse

Test the device and not the source. Superior precision pulse with unbeatable timing stability guarantee reproducible tests. The signal quality and trigger functionality is what you expect from an Agilent pulse generator. Apart from full control over the timing parameters, you can also adjust levels and edges as needed. On the two channel version, the channels can be coupled with a defined delay or uncoupled to work independently.



Function Arbitrary

Stress your device to its limit. Versatile waveforms and modulation capabilities adopt the signal to any real world signal. The Agilent 81150A can use internal or external modulation sources. Internal modulation can be generated from the second channel or the internal modulation source of the modulated channel. Arbitrary waveforms can be generated via the IntuiLink Waveform editor and downloaded at your fingertips.



Noise

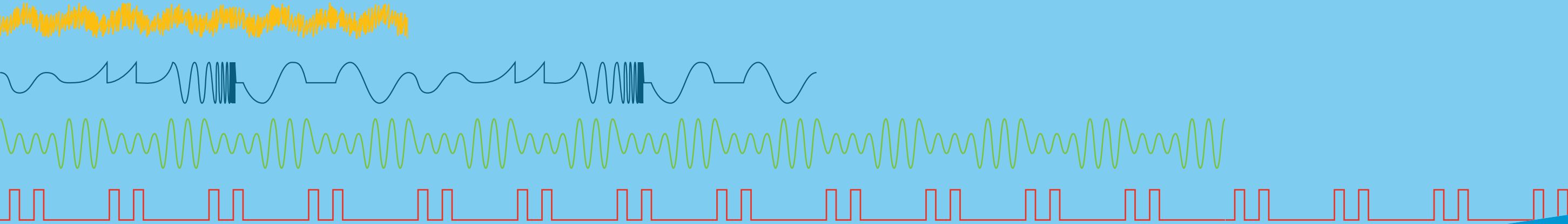
Repeatable and random noise. Combines two required extremes: Repeatable noise with long repetition rates for simple problem identification. The Agilent 81150A provides deterministic white noise either with an arbitrary or Gaussian distribution. The 26 days repetition rate ensures sufficient randomness. The selectable crest factor of 7 ($V_{\text{peak}}/\text{RMS}$) guarantees to test following the serial bus standards. The 81150A provides RJ and SJ in one instrument.



- Accurate signals to test your device and not your signal source
- Versatile waveform and noise generation to be ready for today's and tomorrow's stress test challenges
- Integration in one instrument to minimize cabling, space and test time
- One and two channels available

81150A Pulse Function Arbitrary Noise





Related Literature

- 5989-6433EN 81150A Pulse Function Arbitrary Noise Generator Data Sheet
- 5989-7718EN 81150A Pulse Function Arbitrary Noise Generator Demo Guide
- 5989-7860EN 81150A Pulse Function Arbitrary Noise Generator Application Booklet

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Other Asia Pacific Countries

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The complete list is available at:
www.agilent.com/find/contactus

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

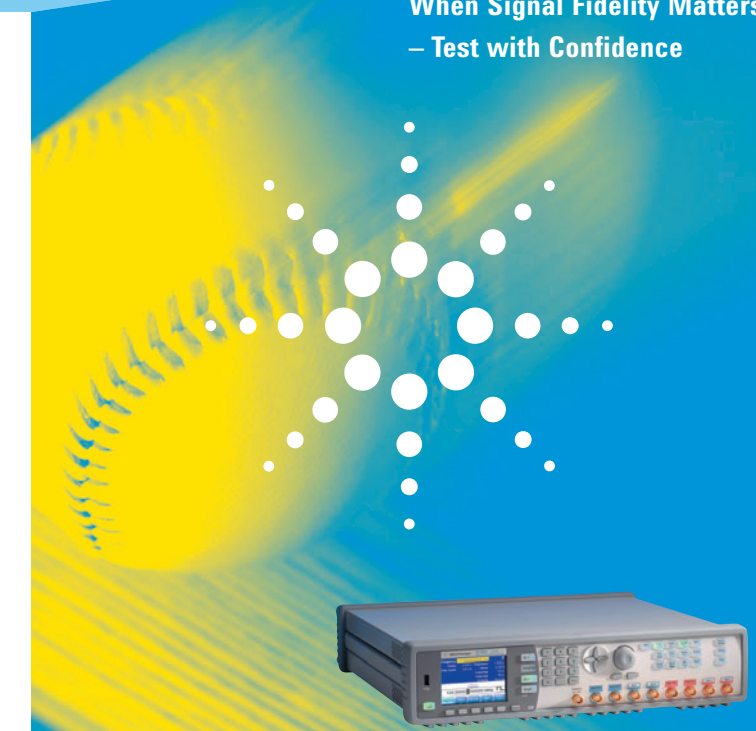
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Stimulus and Response Solutions

Bandwidth	Oscilloscopes	Pulse Pattern Generators								
		50 MHz	80 MHz	120 MHz	165 MHz	330 MHz	400 MHz	660 MHz	3.35 GHz	12.5 Gbs
10 GHz	DSO 81x04B, DCA-J									
8 GHz	DSO 80804B									
6 GHz	DSO 80604B									
4 GHz	DSO 804040B									
3 GHz	DSO 80304B									
2 GHz	DSO 80204B									
1 GHz	D/MSO 6100 D/MSO 8104A/L									
500 MHz	D/MSO 605x									
600 MHz	D/MSO 8064A									
300 MHz	D/MSO 6030 + M/DSO 603xA M/DSO 503xA M/DSO 505xA									
200 MHz	DSO 3202A									

fit
best fit
fit

When Signal Fidelity Matters
– Test with Confidence



81150A
Pulse Function Arbitrary
Noise Generator