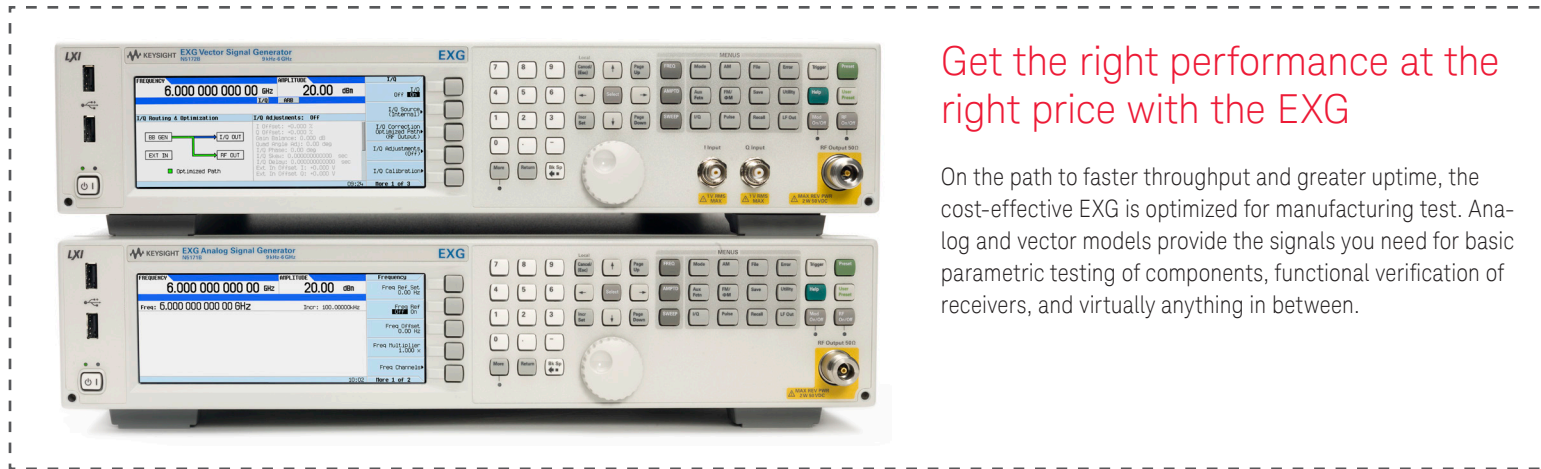


Keysight EXG X-Series Signal Generators N5171B Analog/N5172B Vector

Frequency ranges: 9 kHz to 1, 3 or 6 GHz



Get the right performance at the right price with the EXG

On the path to faster throughput and greater uptime, the cost-effective EXG is optimized for manufacturing test. Analog and vector models provide the signals you need for basic parametric testing of components, functional verification of receivers, and virtually anything in between.

Ideal for:

- Manufacturing test
- Receiver test
- Component test
- Depot and ATE test

Verify performance across multiple technologies

Check component performance with +27 dBm output power and -73 dBc ACPR (W-CDMA test model 1, 64 DPCH). With 900- μ s simultaneous switching of frequency, power and waveform type, you can also maximize test throughput.

Discover X-Series signal generation

To know your device's behavior, you'll take many paths. That's the idea behind Keysight Technologies, Inc. X-Series signal generators. They produce the signals you need—from simple to complex, from clean to impaired—to test your design within and beyond its limits.

Industry-leading performance

From 9 kHz to 6 GHz, the analog and vector MXG and EXG signal generators deliver unmatched performance in five key categories: phase noise and spectral purity, bandwidth, EVM, ACPR, and output power.

Advanced signal creation

Perform advanced receiver testing compatible with the latest standards using the MXG or EXG and Signal Studio software: define signal parameters, transfer them to the instrument and use closed loop or interactive control during signal generation.

Lower cost-of-ownership

X-Series signal generators are designed for high reliability and simplified service. One key example is the self-maintenance strategy: if onsite repairs are ever needed, they can be completed in less than two hours with our refurbished-parts exchange program.

Summary of key specifications

Phase noise @ 1 GHz, 20 kHz offset	-122 dBc/Hz
Spurious @ 1 GHz	-72 dBc
Output power @ 1 GHz	+27 dBm
ACPR W-CDMA 64 DPCH (vector)	-73 dBc
EVM 802.11ac/LTE (vector)	0.4 percent
Bandwidth (vector)	120 MHz
Arbitrary waveform memory (vector)	512 MSa

Accessories

Option number	Description
1CM010A	Rack mount flange kit
1CN006A	Handle kit - two front handles
1CP004A	Rack mount flange and handle kit
1CR012A	Rack slide kit
AXT	Hard transit case



Frequency range options

Option number	Description (not upgradeable)
501	9 kHz to 1 GHz
503	9 kHz to 3 GHz
506	9 kHz to 6 GHz

Hardware and software options

Option number	Description (upgradeable)
006	Instrument security and removable memory card
1EA	High output power
653	ARB baseband generator (60 MHz RF bandwidth, 32 Msa)
655	Upgrade baseband generator from 60 to 120 MHz RF bandwidth
660	Upgrade baseband generator with real-time capability
UNT	AM, FM, phase modulation
UNV	Enhanced dynamic range
UNW	Narrow pulse modulation
UNZ	Fast switching

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