

# Keysight InfiniiVision 6000L Series Oscilloscopes

The highest performance and lowest cost automated test oscilloscope in its class

The Keysight Technologies, Inc. InfiniiVision 6000L Series scopes offer four channels in a 1U-high form factor, giving you a space-efficient and inexpensive way to integrate scopes into your test systems.



## Key specifications

Bandwidth	100 MHz, 500 MHz, 1 GHz
Sample rate	2 GS/s, 4 GS/s
Standard connectivity	LAN, GPIB, USB, XGA, LXI class C compliant
Memory	8 Mpts standard
High-resolution acquisition	Up to 12 bits of resolution in high res mode
Optimized for rack mount	1U-high with standard rack mount kit and rails
Code compatibility	100% software compatible with the 6000 and 7000 Series portable scopes
Warranty	Standard 3-year warranty

## Key features

### Low-profile, high-density package saves rack space

The 6000L Series oscilloscopes provide up to 1-GHz bandwidth in a space-saving 1U-high 19-inch wide package so it saves your valuable rack space. The oscilloscopes have side and rear air vents (no top or bottom air vents) so other instruments can be mounted directly above or below them. Rack mount brackets and rack rails are standard with every unit. channels with 16 time-correlated digital channels for rapid debug.

### LXI class C compliant

LAN eXtensions for Instrumentation (LXI) is the architecture for test systems that's based on proven, widely used standards such as Ethernet. By specifying the interaction of those standards, LXI enables fast, efficient, cost-effective creation and reconfiguration of test systems. The 6000L Series oscilloscopes are fully LXI class C compliant.

### Easy system integration and configuration

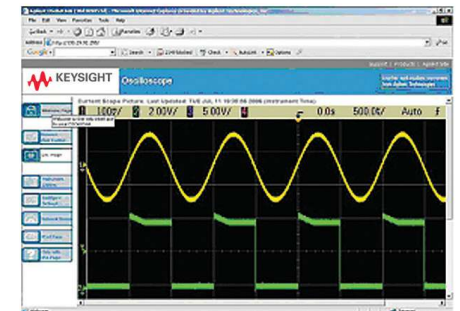
To simplify system development, the 6000L Series oscilloscopes come standard with an IVI-COM (Interchangeable Virtual Instruments) driver, and they support easy-to-use SCPI commands. 100% code compatibility with 6000 and 7000 Series means your transition from R&D to manufacturing is easy and smooth.

### Built-in Web control

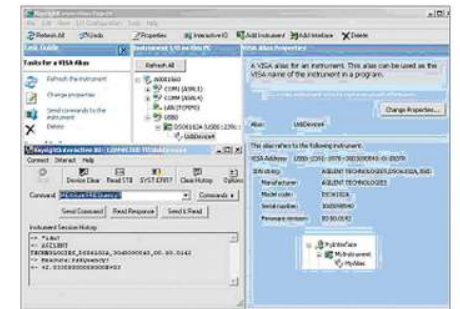
The built-in Web server provides remote access and control of the instrument via a standard Java-enabled Web browser on your computer. You can communicate with the scope over the scope's built-in LAN interface. Using the Web browser you can set up measurements, monitor waveforms, capture screen images and operate the scope remotely.



Make the most of your rack space with an Keysight 6000L Series oscilloscope.



Remotely display and control your 6000L oscilloscope from any Java-enabled web browser over the oscilloscope's built-in LAN interface.



Establish instrument connection faster with Keysight IO Libraries Suite.

## Oscilloscope models

Model	Bandwidth	Scope channels
DSO6014L	100 MHz	4-ch DSO
DSO6054L	500 MHz	4-ch DSO
DSO6104L	1 GHz	4-ch DSO

## Options and accessories

Model	Description
N2914A	MSO upgrade for DSO6014L
N2915A	MSO upgrade for DSO6054L/DSO6104L

## Applications

Model	Description
SGM/N5454A	Segmented memory
AMS/N5424A	CAN/LIN automotive triggering and decode (for 4 channel DSO/MSO models only)
LSS/N5423A	I <sup>2</sup> C/SPI serial decode option (for 4 channel DSO/MSO models only)
232/N5457A	RS-232/UART triggering and decode (for 4 channel DSO/MSO models)
SND/N5468A	I <sup>2</sup> S triggering and decode (for 4 channel DSO/MSO models only)
553/N5469A	MIL-STD 1553 Triggering and decode
FLX/N5432C	FlexRay triggering and decode
N5406A	FPGA dynamic probe for Xilinx (MSO models only)
N5434A	FPGA dynamic probe for Altera (MSO models only)
B4610A	Offline viewing and analysis of MSO/DSO data on a PC
U1881A	Power measurement and analysis application
LMT/N5455A	Mask testing-limit
N8900A	InfiniiView oscilloscope analysis software

[www.lxistandard.org](http://www.lxistandard.org)



LAN extensions for Instruments puts the power of Ethernet and the Web inside your test systems. Keysight is a founding member of the LXI consortium.

### Three-Year Warranty

[www.keysight.com/find/ThreeYearWarranty](http://www.keysight.com/find/ThreeYearWarranty)

Keysight's commitment to superior product quality and lower total cost of ownership. The only test and measurement company with three-year warranty standard on all instruments, worldwide.

### Keysight Assurance Plans

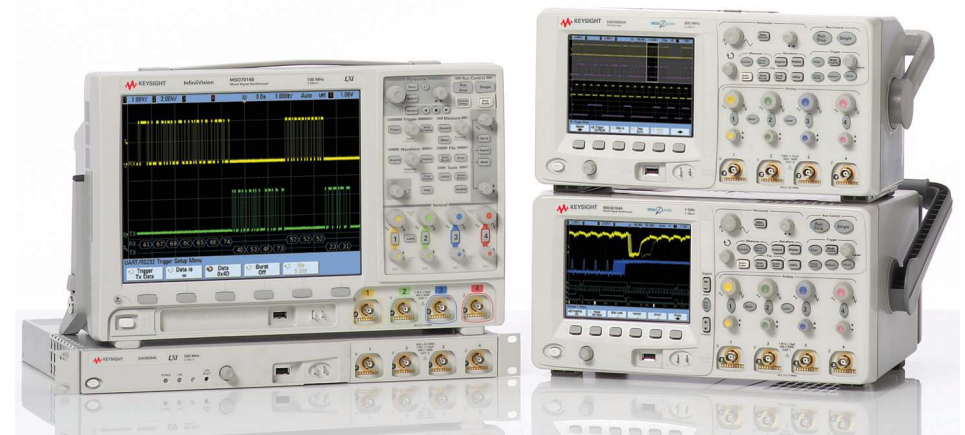
[www.keysight.com/find/AssurancePlans](http://www.keysight.com/find/AssurancePlans)

Up to five years of protection and no budgetary surprises to ensure your instruments are operating to specification so you can rely on accurate measurements.



## Recommended probes

Model	Description
N2873A	10:1, 500 MHz 1.3 m passive probe
N2870A	1:1, 35 MHz, 1.3 m passive probe
1165A	10:1 600 MHz, 1 MW, 12-14 pF
10070D	1:1 passive probe with ID
10074D	10:1 150 MHz passive probe with ID (shipped standard with DSO6014L)
10073D	10:1 500 MHz passive probe with ID (shipped standard with DSO6054L and DSO6014L)
N2790A	100 MHz, 1.4 kV high-voltage differential probe with AutoProbe interface
N2791A	25 MHz, 700 V high-voltage differential probe (battery or USB powered)
N2792A	200 MHz, ± 20 V differential probe (battery or USB powered)
N2793A	800 MHz, ± 15 V differential probe (battery or USB powered)



Get the same superior InfiniiVision in other form factors and price points to meet your needs.

For more information on this and other Keysight scopes please visit [www.keysight.com/find/6000L](http://www.keysight.com/find/6000L)