

# Product specs for LeCroy 9314L

## Product Description:

LeCroy 9314L Oscilloscope, Digital: 300MHz,100MSa/s,4ch (Stand alone)

The LeCroy 9314L oscilloscope is a graph-displaying device – it draws a graph of an electrical signal. In most applications, the graph shows how signals change over time: the vertical (Y) axis represents voltage and the horizontal (X) axis represents time. The intensity or brightness of the display is sometimes called the Z axis.

The LeCroy 9314L oscilloscope's simple graph can tell you many things about a signal, such as: the time and voltage values of a signal, the frequency of an oscillating signal, the “moving parts” of a circuit represented by the signal, the frequency with which a particular portion of the signal is occurring relative to, other portions, whether or not a malfunctioning component is distorting the signal, how much of a signal is direct current (DC) or alternating current (AC) and how much of the signal is noise and whether the noise is changing with time.

## Performance Characteristics of the 9314L

Form Factor	Benchtop
Bandwidth	300 MHz
Number of Channels	4 ch
Simultaneous Maximum Sampling Rate/ch	100 MSa/s
One ch. only max. sampling rate	100 MSa/s
Max. Single Shot bandwidth	300 MHz
Max. Record Length	1000000 pt/sec
Min. Vertical Sensitivity	2 mV/div
Maximum Vertical Sensitivity	5 V/div
Number of Bits	8 bits
Input Impedance	1 MOhm
Input Impedance (alternate)	50 Ohm
Input Coupling	AC,DC,GND
Maximum Input Voltage	250 Vrms
Maximum Input#2 (for Impedance #2)	5 Vrms
Main time base - lowest	1 ns/div
Main time base - highest	1000 s/div
Timebase accuracy	0.002 %
Trigger Source	External,Internal
Trigger Modes	Auto,Drop,Logic,Normal,Single,Stop,Width
Minimum Trigger Holdoff	25 ns

Trigger Sensitivity	0.5 mV
Display Type	CRT Monochrome
Display Size	22.86 cm
Display modes	Infinite,Normal,Persistence,X/Y

## **Programmability/Connectivity of the 9314L**

User Interface	Proprietary
Ports to Peripheral Devices	GPIB,RS232

## **9314L Compliance**

CE Compliance Not on file  
UL Compliance Not compliant

## **9314L Power Requirements**

Input Power Universal (Auto Sense and Switch)