LeCroy 9314M Oscilloscope, Digital: 300MHz,100MSa/s,4ch (Standalone)

The LeCroy 9314M 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 9314M 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.

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	50000 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

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