

The LeCroy LC584AXL 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 LC584AXL 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 LC584AXL

Form Factor	Benchtop
Bandwidth	1 GHz
Number of Channels	4 ch
Simultaneous Channels	4 ch
Simultaneous Maximum Sampling Rate/ch	2 GSa/s
One ch. only max. sampling rate	8 GSa/s
Max. Record Length	16000000 pt/sec
Min. Vertical Sensitivity	2 mV/div
Maximum Vertical Sensitivity	10 V/div
Rise time	350 ps
Number of Bits	8 bits
Input Impedance	10 MOhm
Input Impedance (alternate)	50 Ohm
Input Coupling	AC,DC,GND
Maximum Input Voltage	400 Vrms
Maximum Input#2 (for Impedance #2)	5 Vrms
Main time base - lowest	500 ps/div
Main time base - highest	1000 s/div
Timebase accuracy	0.001 %
Trigger Source	External,Internal
Trigger Modes	Auto,Edge,Normal,Pattern,Single,State,Stop
Minimum Trigger Holdoff	2 ns
Minimum Glitch Trigger	2 ns
Display Type	Color CRT
Display Size	25.4 cm
Display modes	Auto,Normal,Single,Stop

Programmability/Connectivity of the LC584AXL

User Interface	Proprietary
Ports to Peripheral Devices	GPIB,RS232C
Test Pattern Storage	4 Patterns

Novram data storage	Yes
Data Storage Type	FDD

LC584AXL AppNotes

[Capturing signals over a wide range of timebase settings at high sample rates](#)

LC584AXL Life Cycle Data

Start Date	Jan-01-1998
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LC584AXL Compliance

CE Compliance	Compliant
UL Compliance	Compliant

LC584AXL Power Requirements

Input Power	Universal (Auto Sense and Switch)
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LC584AXL Physical Dimensions

Width: (N/A)
 Height: 264 mm(10.39 in)
 Length: 453 mm(17.83 in)
 Weight: 20 kg(44.09 lb)

Options for LC584AXL

Option	US List Price
DA01-110 / PC Card External Desktop Adapt	\$360
HD01 / PC Card Slot for Hard Drives and ATA Flash Cards	\$590
HD02 / PC Card Hard Disk (520 Mbytes)	\$499
MC01/04 / Memory Card Reader and 512k SRAM Card	\$500

LC584AXL Standard Accessories

LC584A-SM /SERVICE MANUAL /Qty:1
 LCXXX-OM /OPERATORS MANUAL /Qty:1
 LCXXX-RCM /REMOTE CONTROL MANUAL /Qty:1
 LCXXX-RMA /RACKMOUNT /Qty:1
 PP002 /10:1 10 MOhm Passive Probes /Qty:1