

PC-Based Logic Analyzer LA1000P series

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LA1000P speed your debugging capability

200 MHz High speed timing analysis and 75MHz state analysis, up to 32~64 channels, and 128Kb memory depth per channel. 5"1/4 inches size that you can install it into your PC case or place it on table which save your space and advance your job flavor.

Purpose

You can apply the LA1000P to capture many complex signals for circuit debugging. The LA1000P is also a good tuitional tool that assists students to understand digital timing sequence relationship. Tested report and captured waveforms are easy saved for post managed. You can save to be Text file

for your further analysis. You can save to be BMP file for compared with next waveforms, or email to your partners for co-worked.

Best Software and Hardware Interface

The LA1000P has the best Windows UI. LA-viewer can run in Win95/98/ME/2000/NT/XP, The multi-thread feature allows your tested object working with LA1000P in the same time of one PC. There are 3 hardware interface you can choose one to connect LA1000P with PC or Notebook: Internal-PCI, External-Parallel port / USB optional. Don't worry to conflict with your system collocation.

Application

By using Acute LA1000P, you can capture unknown system data outputs and reform them by the PG1000. The PG1000 will output this data immediately. If you combine LA1000P and PG1000 series, it becomes an auto test and auto certification system. To connect LA1000P Trigger-Out port with Oscilloscope Ext-trig port you can capture analog signal in the same time. For more information about Acute products and the LA1000P, please visit our web site. We also provide **free software for your evaluation.**

Logic Analyzer LA1000P series equipment

		LA1032P/LA1132P	LA1164P	
1.	LA1000P mainframe	1	1	
2.	Signal isolation amplifier box	2	4	
3.	Signal connector/1x16 color line	2	4	
4.	Ground line/black 1x2 line with red mark	2	4	
5.	Probe(Black)	34	68	
6.	Interface card(PCI)	1	1	
7.	Interface card connected cable(25 pins)	1	1	
8.	Power transfer cable	1	1	
9.	12VDC 2A Regulator (optional for External)	1	1	
10.	Printer Round cable (optional for External)	1	1	
11.	3.5" Installation floppy disk	1	1	
12.	Manual	1	1	
13.	Screw	1	1	
1.	2.	3.	4.	5.
				
6.	7.	8.	9.	10.
				

Logic Analyzer –

Acute LA1000P Series Specifications & Characteristics

Specifications		LA1032P	LA1132P	LA1164P
Power	Power Source(Internal/External)	PC Power / Adapter(12V)		
	Static Power Dissipation	3.6W		
	Max Power Dissipation	11W		
Interface	Internal Connection	PCI card		
	External Connection	Parallel(EPP, Bi-direction) USB optional		
Timing Analysis(Sample Rate)		200 MHz ~ 100 Hz		
State Analysis (External Clock)		No	0 ~ 75MHz	
Band Width		75 MHz		
Channels		32		32/64
Memory	Total RAM Size	512K Bytes		
	Channel Storage Depth	128K / 64K		
Trigger	Condition	Pattern & Edge		
	Channels	32		32/64
	Pass Count	0 ~ 255		
	Trigger Levels	1		
	Pre/Post Trigger	Yes		
	Trigger Output (for Scope)	TTL Level		
Threshold	Delay from Trigger to BNC	< 80ns		
	Range	-6.8V ~ +7.2V		
	Accuracy	±55mV		
Maximum Input Voltage		±30V		
Impedance		500KΩ shunted by 10pF		
Temperature	Operating Temperature	5°C ~ 45°C (41°F ~ 113°F)		
	Storage Temperature	-40°C ~ 75°C (-40°F ~ 167°F)		
Data Skew		< 2ns		
Software features	Zoom In & Zoom Out	1/2048 ~ 32		
	Languages	English		
	Wave Height	Changeable		
	Save Wave & Load Wave	Yes		
	Print Wave	Yes		
	Project Manager	Yes		
	Online Help	Yes		
	Output to Bitmap file	Yes		

System Requirement

- ◆ Above INTEL 486 compatible PC.
- ◆ One PCI Bus Slot (for Internal connection)
- ◆ Parallel Port: EPP/ECP/Bi-direction mode (for External) or USB port (optional for External)
- ◆ 8M Bytes Memory.
- ◆ Disk Space more than 1M Bytes.
- ◆ One 3½ inch Floppy Disk for install program.
- ◆ 640x480 VGA or higher.
- ◆ 101 Key Keyboard.
- ◆ Mouse.
- ◆ Printer (option).
- ◆ Windows 95/98/ME/2000/NT/XP Operating System.

