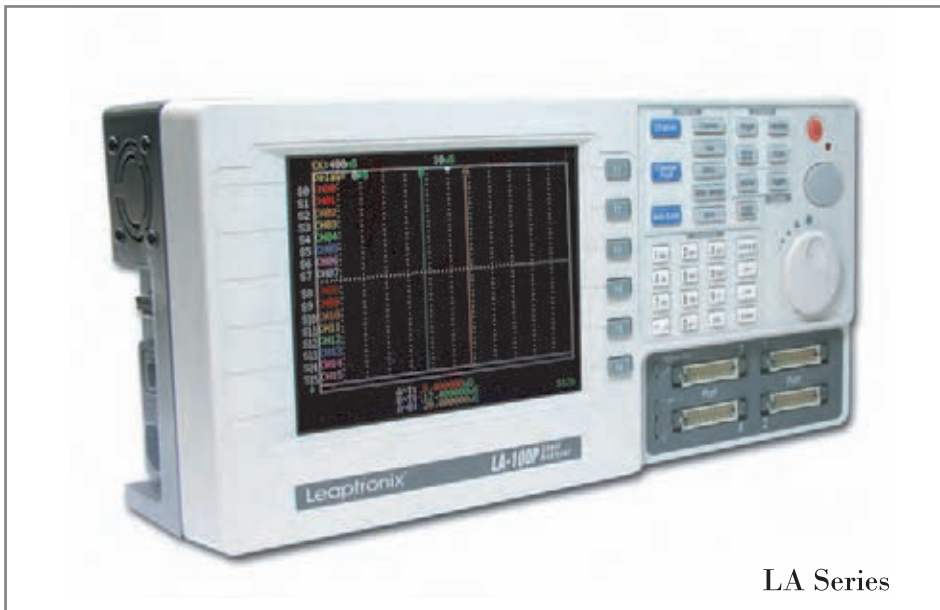


## Stand-alone logic analyzer series

Provide the best measurement solution



LA Series

The LA Series help minimize your project risk by providing the most reliable, accurate data capture and the most complete view of system behavior. These products are ideally suited for you on hardware/software debug, parametric and mixed signal testing and complex debugging. Moreover, their compact size and ability to connect to a PC makes them an ideal solution for use at remote sites.

### Features

- External(asynchronous) and internal (synchronous) capture : Offer a more convenient environment for engineers.
- Provide three sets searching data functions and six cursor marks. The timing of each cursor mark to the trigger can be shown.
- Binary code and hexadecimal List mode (State) display
- Able to save the measuring data and waveform completely in stand-alone mode.
- Offers I<sup>2</sup>C, SPI, UART etc. signal decode function on PC based.
- Provide various signal trigger and capture: Pattern / Edge / AND / OR, four kinds of trigger modes.
- Pre-trigger, 3 level Post-trigger and continued-trigger functions make user operate more easily.
- Bus analysis and glitch capture function
- 2M Bytes~4M Bytes long memory depth; each CH memory depth is up to 512Kbits~1Mbits
- The adjustable sample rate size can be set by users, which avoid capture time too long.
- Provide "Trigger Counter" and "Pulse Wide Trigger" function
- High-speed Zoom In / Zoom Out technique
- Smart software provides text file for saving the Binary Code of waveform, which loads MATLAB easily
- Compact, portable for engineers' carry out debugging.
- 5.6 inch TFT color LCD display ( LA-2025 / LA-2050)
- USB 2.0 interface for PC-base function, which can connect with PC for user to save, analyze, view and printout.

### Application

- Development, measurement and quality control for digital products.
- Electronic, Electric machinery, Communication, Biotechnology and Medical technology digital products

### Physical Specification

<b>Timing</b>	250MHz,Max 500MHz
<b>State</b>	100MHz,Max 200MHz
<b>Bandwidth</b>	100MHz/200MHz
<b>Channels</b>	32CH
<b>RAM Size</b>	2~4MBytes
<b>Storage Depth per Channel</b>	512K~1Mbits x32CH
<b>Maximum Input Voltage</b>	± 30V
<b>Threshold Range</b>	-4V ~ +4V
<b>Support PC-Link function</b>	For Win-98/2k/XP
<b>Data Skew (Channel to Channel)</b>	1~2ns typical(4ns max)
<b>PC-Link Interface</b>	USB 2.0
<b>AC-In</b>	AC:90~240V/50~60Hz
<b>Temperature</b>	0°C~45°C
<b>Dimension</b>	31(W) x 15(H) x 9(D)cm
<b>Weight</b>	3.8kg

### Standard Accessories

Main Unit.....	x1
Data Pod.....	x4
Lead Set .....	x4
Test Probe.....	x36
AC power cord.....	x1
User's manual.....	x1
CD.....	x1
USB 2.0 Cable.....	x1

### More product information

TEL:+886-2-2999-1860#15 Lillian  
E-mail: lillian@leap.com.tw

## LA Series Product Specification

Provide the best measurement solution

Model	LA-100P	LA-2025	LA-2050
<b>Timing Analysis</b>	250MHz,max(4ns)	250MHz,max(4ns)	500MHz,max(2ns)
<b>State Analysis</b>	100MHz~1Hz(10ns~1sec)	200MHz(Max)	200MHz(Max)
<b>Bandwidth</b>	100MHz	200MHz	200MHz
<b>Channels</b>	32CH	32CH	32CH
<b>MEMORY</b>			
<b>RAM Size</b>	2M Bytes	2M Bytes	4M Bytes
<b>Storage Depth per Channel</b>	512Kbits x 32CH	512Kbits x 32CH	1Mbits x 32CH
<b>TRIGGER</b>			
<b>Condition</b>	Pattern / Edge / AND / OR	Pattern / Edge / AND / OR	Pattern / Edge / AND / OR
<b>Channels</b>	32CH	32CH	32CH
<b>Pre/Post Trigger</b>	YES	YES	YES
<b>Trigger Levels</b>	3 (Edge or Pattern)	3 (Edge or Pattern)	3 (Edge or Pattern)
<b>Continue Trigger</b>	YES	YES	YES
<b>Trigger out</b>	YES (TTL Level)	YES (TTL Level)	YES (TTL Level)
<b>Bus Analysis</b>	YES	YES	YES
<b>Glitch Capture</b>	YES	YES	YES
<b>Threshold Range</b>			
<b>Range</b>	-4V~+4V	-4V~+4V	-4V~+4V
<b>Acuracy</b>	±50mV	±50mV	±50mV
<b>Maximum Input Voltage</b>	±30V	±30V	±30V
<b>Impedance</b>	100K $\Omega$ shunted by $\approx$ 8pF	100K $\Omega$ shunted by $\approx$ 8pF	100K $\Omega$ shunted by $\approx$ 8pF
<b>Temperature</b>			
<b>Operating</b>	0°C~45°C(41°F~113°F)	0°C~45°C(41°F~113°F)	0°C~45°C(41°F~113°F)
<b>Storage</b>	-40°C~75°C(-56°F~167°F)	-40°C~75°C(-56°F~167°F)	-40°C~75°C(-56°F~167°F)
<b>Data Skew(Channel to Channel)</b>	2ns typical,±4ns Max	2ns typical,±4ns Max	1ns typical,2ns Max
<b>PC-Link Interface</b>	USB 2.0	USB 2.0	USB 2.0
<b>Power</b>			
<b>Power Source</b>	AC:90~240V,50~60Hz	AC:90~240V,50~60Hz	AC:90~240V,50~60Hz
<b>Power Dissipation</b>	18W	18W	18W
<b>Max Power Dissipation</b>	20W	20W	20W
<b>Dimension</b>			
<b>(W) x (H) x (D) cm</b>	31cm x 15cm x 9cm	31cm x 15cm x 9cm	31cm x 15cm x 9cm
<b>Weight</b>	3.8kg	3.8kg	3.8kg