

# LA-2050/2025

Stand-alone Logic Analyzer and Data Logger /Provide the best measurement solution/

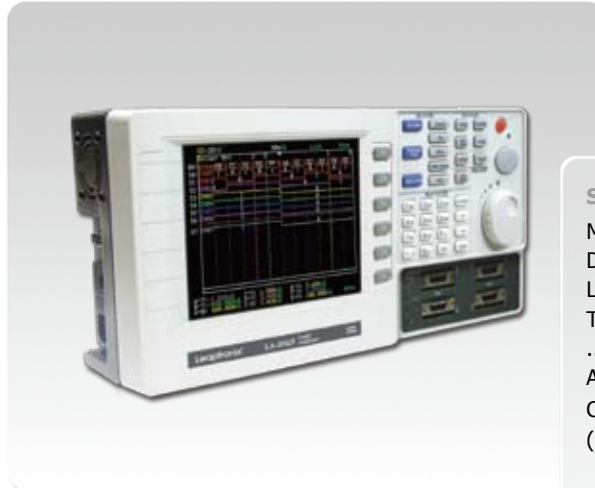
## Introduction

The LA-20 Series helps minimize users' project risk by providing the most reliable, accurate data capture and a complete view of system behavior. These products are ideally suited for users on hardware/software debugging, parametric, mixed signal testing, and complex debugging. Moreover, their compact size and ability to connect with a PC for analysis and data logging makes them an ideal solution at remote sites.

## Features

### Logic Analyzer

- External (synchronous) and internal (asynchronous) capture : Offer a more convenient environment for engineers.
- Provide three sets of searching data functions and six cursor marks. The timing of each trigger point can be shown by the cursor mark.
- Binary code and hexadecimal List mode (State) display.
- Able to save measuring data and waveform results in stand-alone mode.
- Offer I2C, SPI, UART and CAN signal decoding function on PC.
- Provide various signal trigger and capture : Total of four kinds of trigger modes including Pattern/Edge/AND/OR.
- Pre-trigger, post-trigger, 3 level trigger, and continued-trigger functions allow users to operate easily.
- Bus analysis and glitch capture functions: 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 avoids long capturing time.
- Provide "Trigger Counter" and "Pulse Wide Trigger" function.
- High-speed Zoom In / Zoom Out techniques.
- Smart software provides text file for saving the Binary Code of waveform results.
- Compact, portable for engineers to perform debugging.
- 5.6 inch TFT color LCD display.
- USB 2.0 interface for PC link function, which can connect with PC for user to save, analyze, view and printout.



### Standard Accessories

- Main unit .....x1
- Data pod .....x4
- Lead set.....x4
- Testing probe (testing hook) .....x36
- AC power cord .....x1
- CD.....x1  
(Driver and user manual are included)
- USB cable.....x1

## Specification

Model	LA-2025	LA-2050
Timing Analysis	250MHz	500MHz
State Analysis	200MHz	200MHz
Bandwidth	200MHz	200MHz
Channels	32CH	32CH
RAM Size	2M Bytes	4M Bytes
Storage Depth per Channel	512K bits x 32CH	1M bits x 32CH
Maximum Input Voltage	±15V	±15V
Threshold Range	-4V~+4V	-4V~+4V
Data Skew (Channel to Channel)	4ns typical (±4ns Max)	2ns typical (±2ns Max)
Trigger Condition	Pattern / Edge / AND / OR	Pattern / Edge / AND / OR
Trigger Counter	1~255	1~255
Pulse Width Trigger	YES	YES
Glitch Capture	4ns	2ns
Communication	USB 2.0	USB 2.0
Power Source	110V AC~240V AC	110V AC~240V AC
Frequency Range	50~60Hz	50~60Hz
Power Consumption	18W (20W Max)	18W (20W Max)
Operating Temperature	0°C~45°C	0°C~45°C
Dimension	31cm x 15cm x 9cm	31cm x 15cm x 9cm
Weight	3.8K g	3.8K g

## PC System Requirement

Operating System	Windows 98/2000/XP/Vista/32
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### Data Logger

- Provide friendly software, no matter what program language, just key in the timing, trigger condition and logic level etc, then start the data acquisition.
- Use binary for logging the code.