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KiStudio Lab

Type 2911A

Software for generic data acquisition

With KiStudio Lab measurements are made easy. The intuitive software enables the user to setup data acquisition systems like KiDAQ or LabAmp and execute the measurement in no time! Combined with the powerful analysis software jBEAM the user gets a comprehensive package for nearly every test & measurement task.

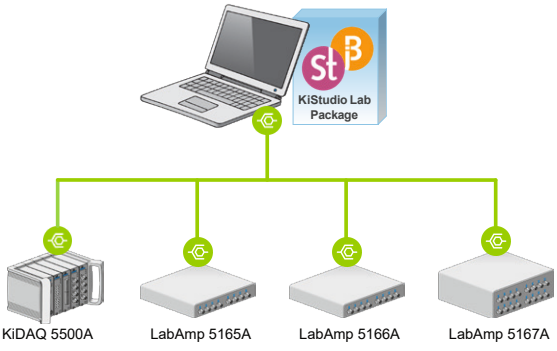
Benefits:

- Combine multiple different measurement devices in one setup
- Faster to results thanks user-friendly operation
- Customizable signal visualization with interactive live graphs
- Easy measurement review with simple analysis
- Quick and easy data export for comprehensive analysis and post-processing in jBEAM

Description

KiStudio Lab guides the user to configure the measurement devices in an intuitive way. The freely definable graphs in the dashboard enables a convenient live view of the signals during the measurement and a simple review of the recordings afterwards. Projects and recordings can be exported easily - the latter even automatically for automated reports in jBEAM.

KiStudio Lab Starter and Professional editions are offered in an attractive package together with jBEAM Lab.



System requirements and recommendations

The system requirements using the KiStudio Lab for data acquisition very much depends on your measurement and analysis needs. We recommend following system configuration for typical use cases:

Measurement setup and live graph needs	Small system with < 16 channels with 100 kSps or higher. Only a couple of signals in up to 4 graphs	Larger system with multiple devices and/ or > 16 channels with 100 kSps or higher. Live graphs for majority of signals required
Recommended KiStudio edition	Starter	Professional
Operating system	Windows 10 or 11	
Memory	8 GB (minimum) 16 GB (recommended)	16 GB (minimum) 32 GB (recommended)
Mass storage	SSD (recommended) 1.2 GB free space for installation + enough space for recordings (> 50 GB recommended)	SSD (recommended) 1.2 GB free space for installation + enough space for recordings (> 500 GB recommended)
Network	Spare ethernet interface (RJ45 or via USB-to-Gigabit-Ethernet adapter, not included)	
Graphics processor		Dedicated GPU (recommended)
Display resolution	1,920 x 1,080 / full HD (recommended)	

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Device configuration (parametrization) and data acquisition	Starter edition	Professional edition
Configuration of KiDAQ devices and modules (Type 55xxA)	✓	✓
Configuration of Kistler LabAmp devices (Types 5165A/5166A/5167A)	✓	✓
Number of configurable channels	∞	∞
Channel table view	✓	✓
Multi-channel edit	✓	✓
Data acquisition	✓	✓
Number of standard channels (< 100 kSps)	64	∞
Number of performance channels (100+ kSps)[2)]	16	64
Number of CAN channels	16	64
Data processing		
Triggering and repetitions		
Signal threshold (incl. pre- and post-trigger)	✓	✓
Time (duration and absolute)	✓	✓
Repetitions	✓	✓
Online calculation (virtual channels)		✓[1)]
Statistics calculation		✓[1)]
Visualization and Graphs		
Number of visualization pages	1	4
Time domain y(t) with triggered scope view	✓	✓
Frequency domain (FFT)	✓	✓
Window types: Rectangle/Hann/Hamming/Blackman	✓/-/-/-	✓/✓/✓/✓
Number signals per graph	1	16
Digital value with table view chart	✓	✓
Level indicator (combined with table view chart)[1)]	✓	✓
Measurement data review and analysis	✓	✓
Data export		
1-click export to jBEAM	✓	✓
Automatic export	✓	✓
Export formats		
MDF	✓	✓
CSV[1)]	✓	✓
General features		
UI languages		
English (EN)	✓	✓
German (DE)	✓	✓
Chinese (ZH)	✓	✓

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[1)] Planned for future releases
[2)] Please be aware that generated data of multiple devices with lots of channels may require a high-end PC configuration. Please ask Kistler sales represantive for requirement details.

Optional accessories	Type
• USB 3.0 Gigabit Ethernet Adapter	Z21014-2003

For jBEAM features please refer to data sheet "jBEAM Lab" 003-476e.