

KiStudio Lab Software Package

Measurement and Analysis Software

Type 2910A

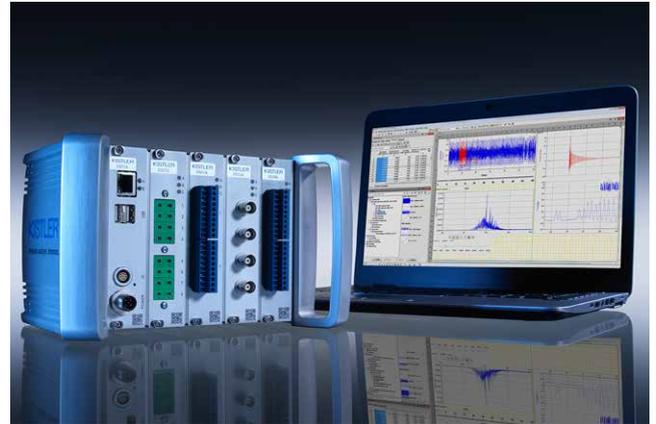
With KiStudio Lab measurements are made easy. The intuitive software enables the user to setup data acquisition systems like KiDAQ and LabAmp and execute the measurement in no time! Together with the powerful analysis software jBEAM the user gets a comprehensive package for nearly every test & measurement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

Benefits:

- Faster to results thanks user-friendly operation of KiStudio Lab
- Overview of the whole measurement chain and quick navigation
- Live graphs
- Quick and easy data export for analysis in jBEAM
- Better and faster analysis of your data thanks to perfect presentation through extensive visualization tools in jBEAM
- Accomplish the required analysis quickly and efficiently with the interactive analysis
- Save time for creating reports with the automated reporting in different standard file formats

Description

KiStudio Lab displays the whole measurement chain in a clearly laid out way. Users appreciate the freely definable graphs in the dashboard for easy analysis during measurement. The integrated project management helps to manage all measurement data – also from previous recordings and projects. jBEAM is a software for data analysis, visualization and report generation. Due its platform independence and multilingualism, worldwide customers in R&D are using the software for quick analysis as well as for managing complex projects with terabytes of data.



System requirements and recommendations

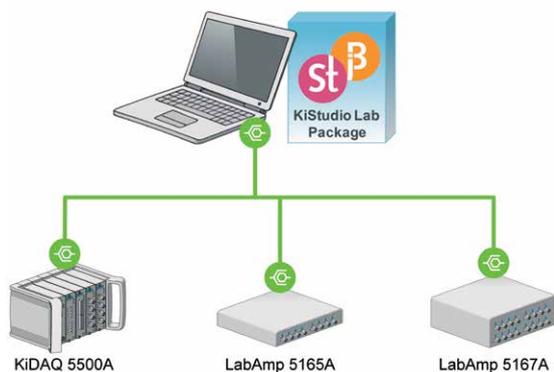
The system requirements using the KiStudio Lab Package for data acquisition and analysis very much depends on your measurement and analysis needs. We recommend following system configuration for a setup that covers most use cases:

Operating system	Windows 10 Professional or Enterprise, 64 bit version 1803 (Build 17134) or newer with Hyper-V Windows 7 and older is not supported
Processor	Intel Core i7-7500, 2.7 GHz or better (recommended)
Memory	16 GB (minimum)
Mass storage	SSD (recommended) 110 GB free space on system partition C: (minimum, for installation and measurement data)
Network	Spare USB Interface for USB-to-Gigabit-Ethernet adapter (included)
Display resolution	1,920 x 1,080 / full HD (recommended)

KiStudio Lab Starter and Professional packages are available as single seat license only. Multi-user licenses for post-processing with jBEAM are available on request.

Windows is a registered trademark of the Microsoft Corporation.
Intel Core is a registered trademark of Intel Corporation.

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The information corresponds to the current state of knowledge. Kistler reserves the right to make technical changes without advance notice. Liability for consequential damages arising from the application of Kistler products is excluded.

	Starter package	Professional package
Device configuration and data acquisition with KiStudio Lab		
Configuration		
Configuration of KiDAQ measurement modules (parameterization)	✓	✓
Configuration of hardware filters (low-pass, high-pass, band-pass)	✓	✓
Configuration of different sampling rates per module	✓	✓
Configuration of Kistler LabAmp 5165A / 5167A	✓ / ✓	✓ / ✓
Number of measurement devices in one setup (concurrent use)	1	>4 ¹⁾
Multi-channel edit	✓	✓
Table edit	✓	✓
Live calculation		
Basic math functions (+, -, *, /, sqrt, integration, differentiation)		✓
FFT basic	✓	✓
Triggering		
Manual	✓	✓
Signal threshold	✓	✓
Time	✓	✓
Advanced triggers (pre- and post, repetitions)	✓	✓
Graphic functions		
Customizable dashboard	✓	✓
Live graphs		
Time domain y(t)	✓	✓
Frequency domain (FFT)	✓	✓
Signal vs. signal graph y(x)	✓	✓
Digital value	✓	✓
Bar	✓	✓
Level indicator	✓	✓
Data export		
MDF (Binary) for easy and efficient import in jBEAM	✓	✓

¹⁾ Please be aware that generated data of multiple devices with lots of channels may require a high-end PC configuration. Please ask Kistler sales representative for requirement details.

	Starter package	Professional package
Data analysis with jBEAM		
Data import		
Importer utilities		✓
Datafile importer	2	16
Image import (gif, jpeg, png, bmp, ...)	✓	✓
Audio & video import		✓
Data export		
File exporter	1	3
Report exporter modules	3	6
Calculations		
Calculation modules		
Arithmetic	5	8
Curve calculations	1	19
Curve analysis	1	8
FFT analysis	1	2
Filter	1	6
Statistic	6	8
Counting procedures	1	3
Number of calculation instances	100	2,000
Graphic functions		
Graphic components		
Simple forms	2	3
Text and tables	7	12
Realtime graphic	4	5
2D axis charts	5	18
3D axis charts		7
Image graph	✓	✓
Audio & video player		✓
Graphical control elements	10	22
Number of graphic object instances	100	1,000
Number of curves (universal 2D)	10	20
Number of axis (universal 2D)	2	5
Miscellaneous		
Audio recorder and player		✓
Open-street-map (OSM) integration	✓	✓

For jBEAM feature details please refer to data sheet "jBEAM Lab", doc.-no. 003-476e

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	Starter package	Professional package
General Features		
User interface & languages		
English	✓	✓
German	✓	✓
Chinese	✓	✓
Maintenance and Support		
Included 1 year	✓	✓
Optional prolongation	✓	✓

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