

LEYBOLD®

LAB DOCS EDITOR FOR YOUR DIGITAL EXPERIMENT INSTRUCTIONS



MORE THAN JUST GOOD REASONS

- CREATING **INTERACTIVE INSTRUCTIONS** & **PDF-FILES**
- QUICK INTEGRATION OF **DIGITAL MEASURING DEVICES**
- EASY **PUBLICATION & DISTRIBUTION VIA QR CODES**
- ADDING LAB DOCS TO THE **LEYLAB DATABASE**



LAB DOCS

A MILESTONE FOR YOUR DIGITAL TEACHING

A first big step for digital education has already successfully been taken by LD DIDACTIC with our Lab Docs experiment instructions.

What exactly are Lab Docs?

Lab Docs are the new generation of experiment instructions that impress with both curriculum-compliant & didactically up-to-date content and the intuitive use with tablets, smartphones and laptops.

Lab Docs aren't just digital, they're also interactive

Lab Docs are digital experiment instructions in HTML format that can be accessed on any tablet, smartphone or PC, regardless of manufacturer and software platform. Only a web browser is required; no installation of any app or program is needed. Once opened, students can work with it immediately.

In addition, Lab Docs are multi-interactive. On the one hand, students can enter answers directly into their individual Lab Docs, display measured values graphically and evaluate them.

On the other hand, Lab Docs interact with the digital measuring instruments of the CASSY family. This enables students to control the Mobile-CASSY 2 WiFi from the Lab Doc. The measured values are also automatically transferred in real time to Lab Docs.

For universities, colleges and schools that are not yet able to provide complete digital instruction, all Lab Docs are also available as PDF files with adapted layout for printing.

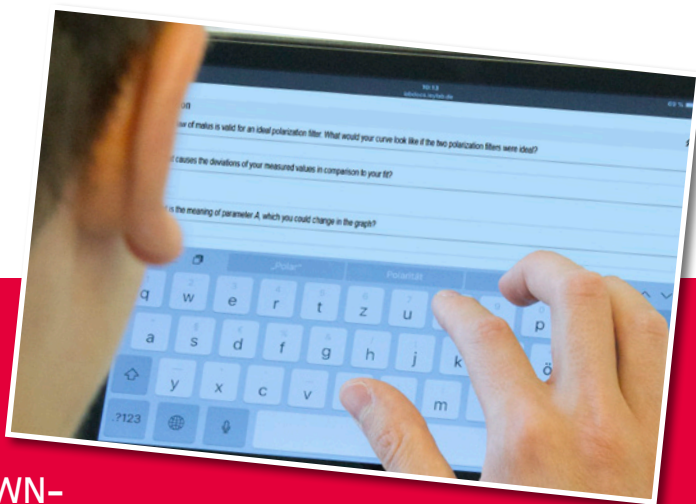
Now the next step follows ...

To give teachers/lecturers the possibility to create their own or modify existing Lab Docs, LD DIDACTIC has developed the **Lab Docs Editor**. This user-friendly tool was developed in cooperation with professional authors and allows the interactive creation of experiment instructions.

With the easy to understand editor, the creation of these experiment instructions is quick and easy. The Lab Docs can be opened by the students on any tablet or smartphone in the browser. It is also easy to share the instructions with colleagues.

The extensive possibilities of the Lab Doc's Editor:

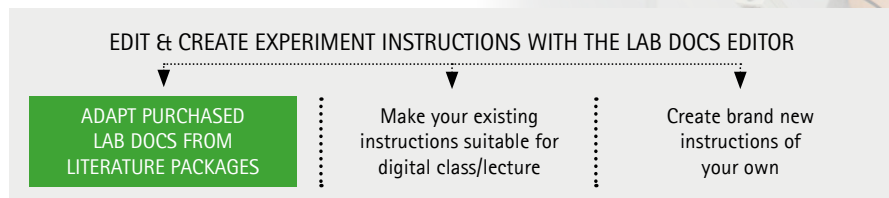
- Edit & delete assignments
- Add text & response fields
- Integrate and adapt interactive diagrams & tables
- Insert images, vector graphics, hyperlinks, etc.
- Prepare and create materials lists
- Create formulae



To the free demo version
of the Lab Docs Editor
[WWW.LD-DIDACTIC.DE/
EN/SERVICE/SOFTWAREDOWN-
LOAD/LAB-DOCS-EDITOR](http://WWW.LD-DIDACTIC.DE/EN/SERVICE/SOFTWAREDOWN-LOAD/LAB-DOCS-EDITOR)

LAB DOCS EDITOR

EASILY ADAPT DIGITAL, INTERACTIVE INSTRUCTIONS



- Edit & delete assignments
- Modify instructions
- Add text & response fields

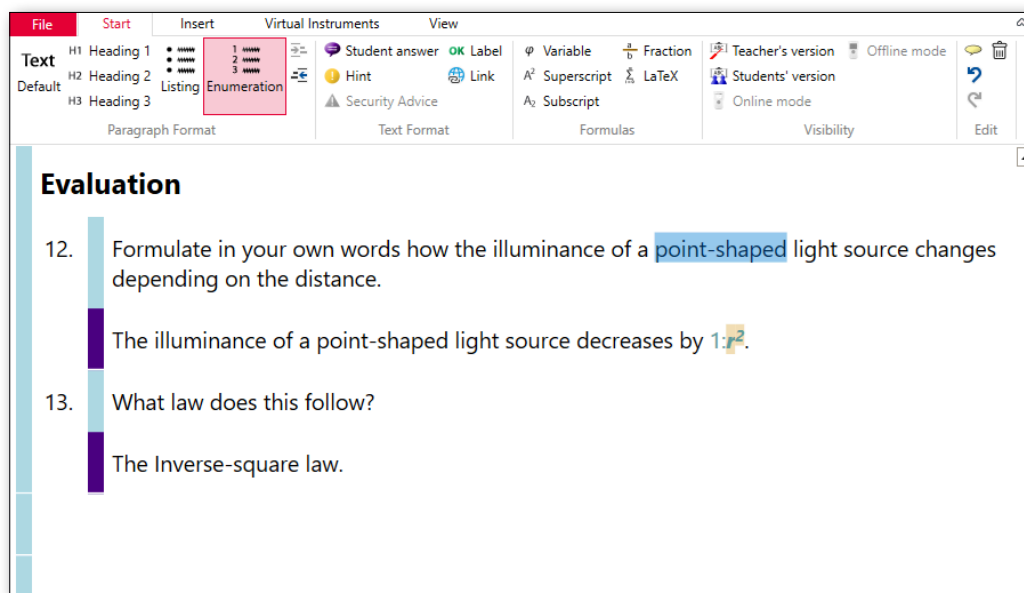
Adapt Lab Docs from the literature packages

With the Lab Docs Editor, it is easy to edit instructions from the LD literature packages. It does not matter if it is just a word or a complete paragraph.

Removing questions or adding assignments with response fields for the students can also be done easily with the editor.

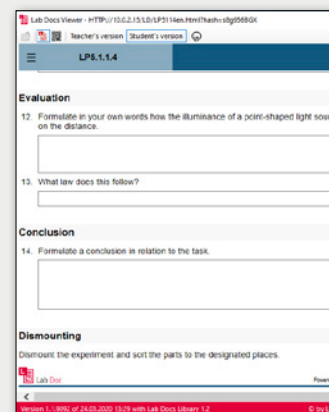
In addition, links for further research can be added or evaluations can be carried out using tables and diagrams.

This way the experiment instruction grows with the demands of teachers/lectures and students.

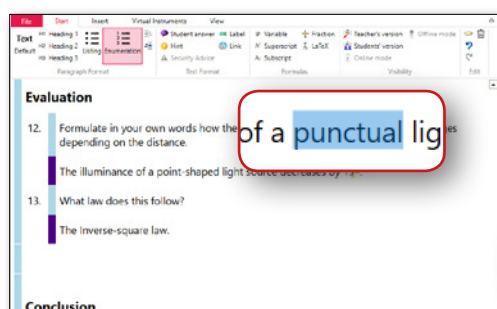


Original Lab Doc from literature package

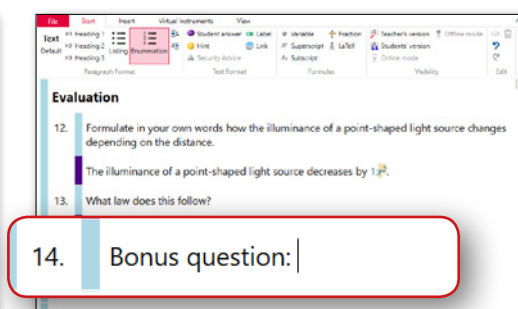
In the viewer you can see all adjustments in real time for both student and teacher/lecturer version.



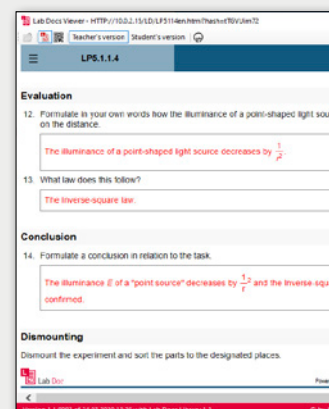
Student version



Change in text

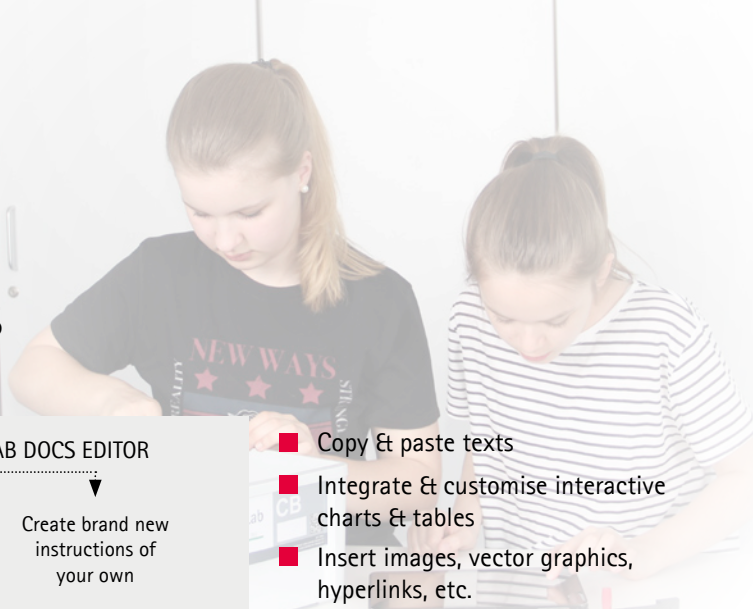


Add assignment



Teacher/lecturer version

LAB DOCS EDITOR DIGITALISATION OF EXISTING EXPERIMENT INSTRUCTIONS



The Lab Docs Editor offers an easy way to digitise existing experiment instructions.

Why Lab Docs Editor?

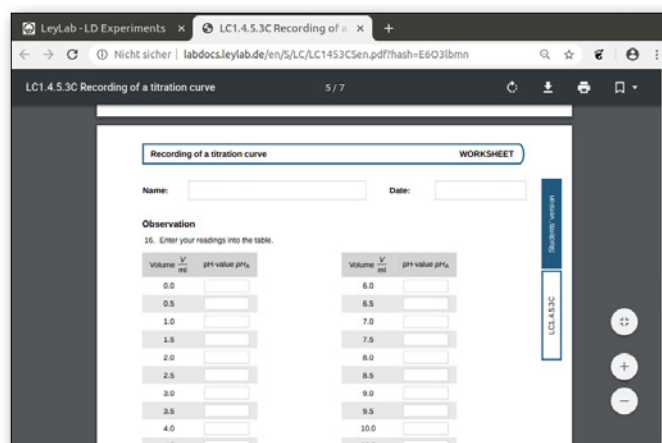
It is impossible to imagine teaching without experiment instructions. In contrast to the old familiar writing programs, it is much less effort to create experiment instructions in the Lab Docs Editor, because the layout is completely automatic. At the same time, a future-proof, interactive new instruction in HTML format is created instead of a mere copy template.

Using the PDF export function of the Lab Docs Editor, the created instructions can also be printed out at any time.

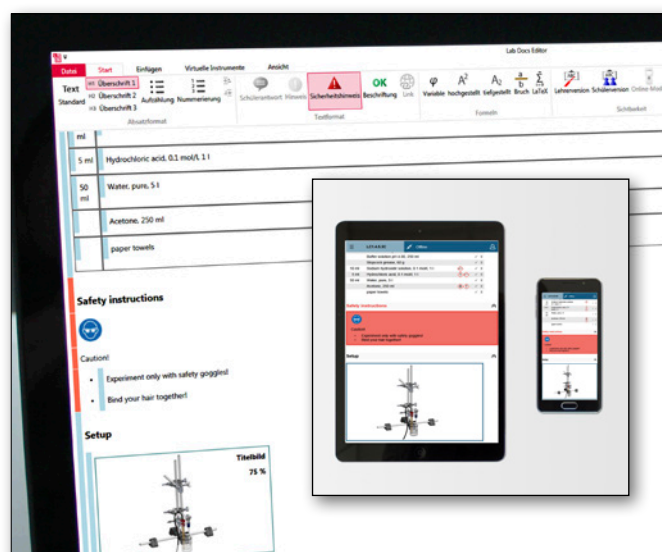
If instructions are already available in digital form, the texts can be inserted into the Lab Doc by simply "copying" and "pasting" and then saved.

ADVANTAGES OF LAB DOCS FOR TEACHING WITH DIGITAL MEDIA

- Lab Docs work independently of the manufacturer & operating system of the smartphone/tablet (BYOD)
- The layout adapts to any screen size (responsive), from a small smartphone to a large tablet
- Easy integration of images without having to make layout adjustments
- Insertion of questions & answers without a lot of editing
- Easy distribution of Lab Docs to all students via QR Code
- A uniform layout of the instructions allows easy exchange among colleagues



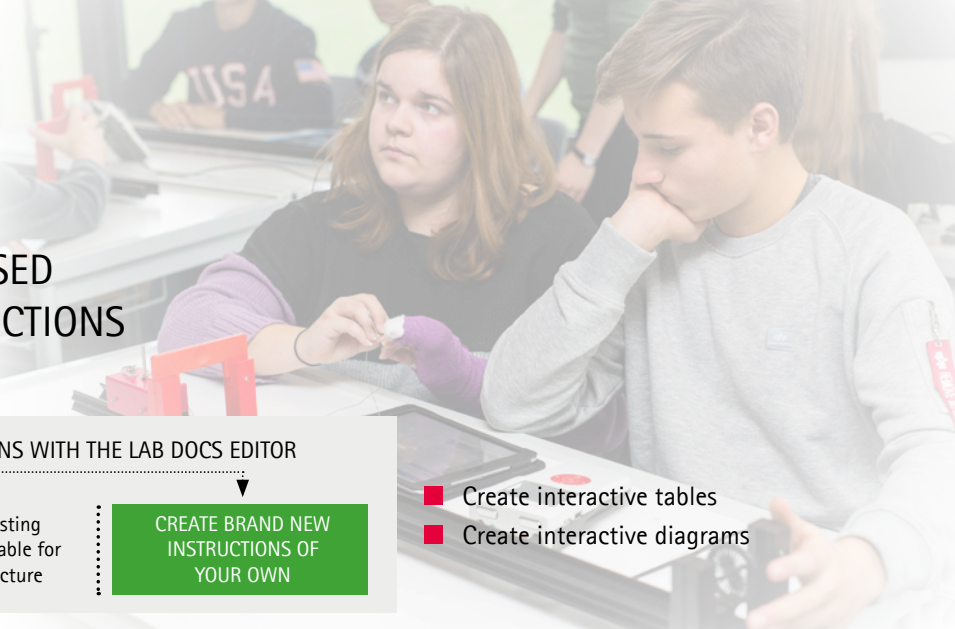
Lab Doc as a PDF



Lab Docs are responsive

LAB DOCS EDITOR

CREATE NEW & INDIVIDUALISED DIGITAL EXPERIMENT INSTRUCTIONS



EDIT & CREATE EXPERIMENT INSTRUCTIONS WITH THE LAB DOCS EDITOR

Adapt purchased Lab Docs from literature packages

Make your existing instructions suitable for digital class/lecture

CREATE BRAND NEW INSTRUCTIONS OF YOUR OWN

- Create interactive tables
- Create interactive diagrams

What else can you do with the Lab Docs?

The Lab Docs Editor offers numerous functions to create a Lab Doc easily and quickly.

This applies especially for inserting tables and diagrams. With only one click on the desired icon, an interactive element is created which can be tried out

directly: Measured values entered in a table appear immediately in a diagram and the table extends independently when further values are added. The Lab Docs Editor automatically ensures uniform design of headers and axis labels.

Index	Distance d	Edge length a	Illuminated Area A	Illuminance E
	cm	cm	cm ²	cm ⁻²
1	7	2.00	4.00	0.25
2	12	3.20	10.20	0.10
3	17	4.60	21.20	0.05
4	22	6.00	36.00	0.03
5	27	7.60	49.00	0.02
6	32	8.20	67.20	0.02
7	37	10.00	100.00	0.01

Insert a table

Index	Distance d	Edge length a	Illuminated Area A	Illuminance E
	cm	cm	cm ²	cm ⁻²
1	7	2.00	4.00	0.25
2	12	3.20	10.20	0.10
3	17	4.60	21.20	0.05
4	22	6.00	36.00	0.03
5	27	7.60	49.00	0.02
6	32	8.20	67.20	0.02
7	37	10.00	100.00	0.01

Insert a diagram

LAB DOCS EDITOR INTERACTIVITY BETWEEN MEASURING DEVICE & LAB DOC

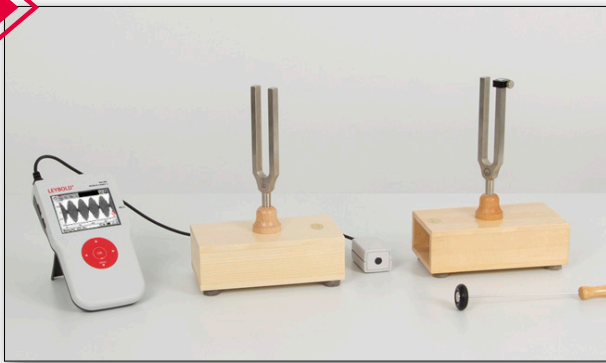
Unique interactivity: Integration of measuring devices of the CASSY family

Lab Docs can be connected to a CASSY measuring device via WiFi.

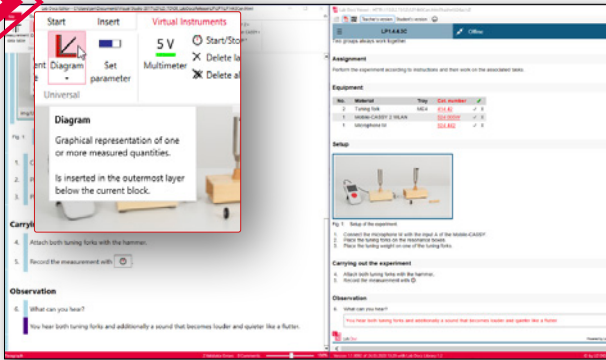
All settings defined when creating the Lab Doc are transferred directly to the connected measuring device. This way the experiment can start immediately. Furthermore, the CASSY device can be controlled from the Lab Doc, e.g. starting and stopping the measurement. During the measurement the measured values are automatically inserted into the tables and diagrams of the Lab Doc in real-time.

To create such interactive tables and diagrams with the Lab Docs Editor, measurement examples are used that were previously recorded and saved with the Mobile-CASSY 2 WiFi during an experiment. The measured values from this measurement then appear automatically in the table and diagram of the teachers/lecturer version.

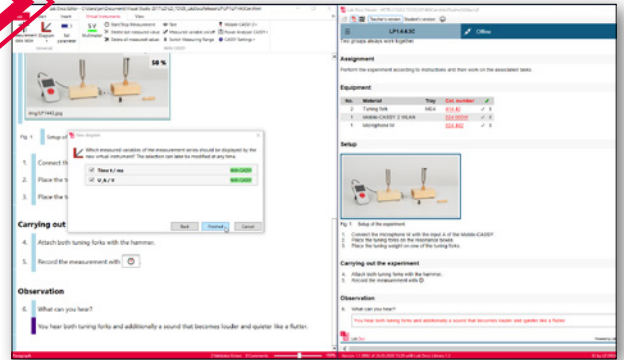
STEP 1 - RECORD MEASURED EXAMPLE



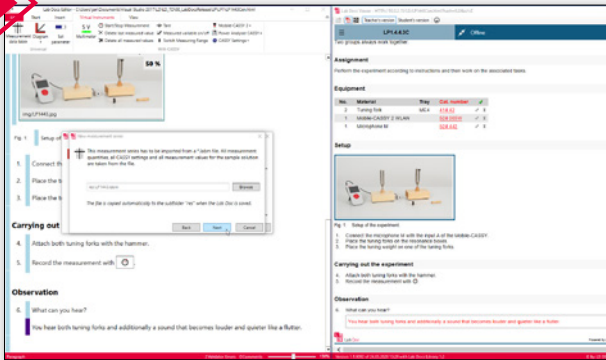
STEP 2 - INSERT A DIAGRAM



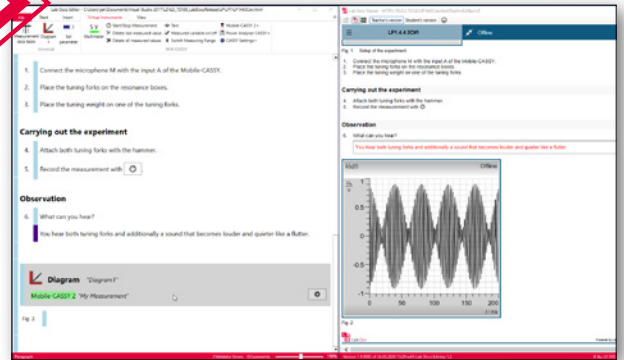
STEP 4 - SELECT MEASURED QUANTITIES



STEP 3 - LOAD MEASURED VALUES



STEP 5 - COMPLETE DIAGRAM



LEYLAB ONE DATABASE FOR ALL EXPERIMENT INSTRUCTIONS

Central management of experiment instructions

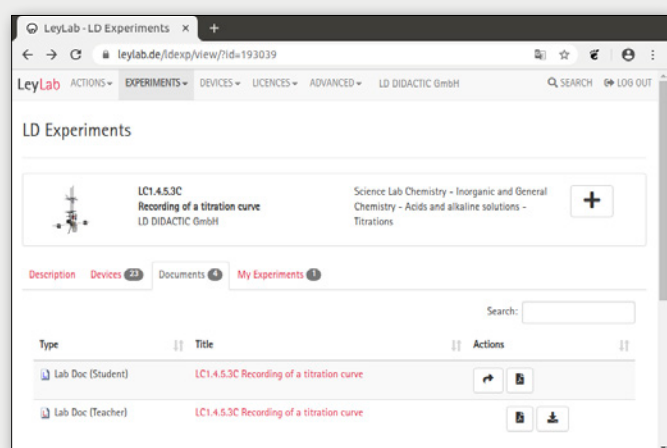
LeyLab is an online portal for the management and organisation of experiments and equipment. With LeyLab, you can not only take an inventory of entire device collection, but you can also store created Lab Docs there.

Lab Docs can be uploaded quickly and easily for each experiment. You can also store Lab Docs from LD literature packages with the respective experiments. With an integrated tool for creating a QR code, you can distribute the experiment instructions to all students.

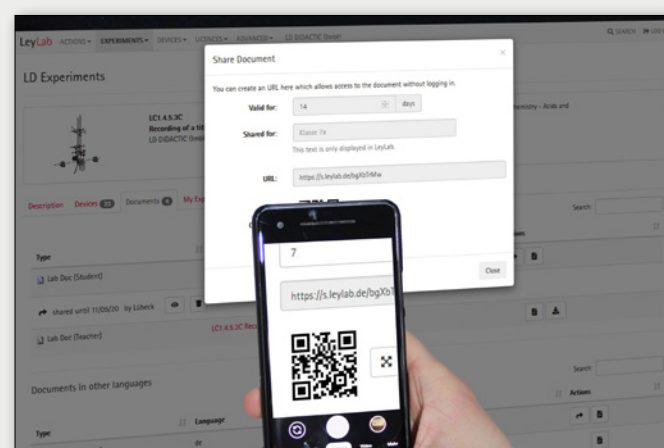
The Extra-Plus: Intelligent device management

With LeyLab you have direct access to the Lab Docs at any time and from anywhere. In fact, not only the Lab Docs, but all necessary information is bundled for each experiment.

Once the devices have been inventoried, all the necessary equipment is listed with details of the devices and their storage location. The highlight: An experiment with all the associated equipment can be easily borrowed or returned by the teacher/lecturer, so that all colleagues always have an up-to-date overview of the inventory.



Student experiment in LeyLab with Lab Docs from LD literature package



Share Lab Doc via QR Code

Device	Quantity	Storage Location	Last Update
StoicFu3 MP	2	Science Lab Chemie Basis CB (Batz) - Ausstellerraum AB - Schwan 3	12.02.2020
StoicFu3 MP	2	Science Lab Storage Basis (Satz) - Büro 108	12.02.2020
StoicFu3 MP	2	Science Lab Storage Basis (Satz) - Ausstellerraum AB - Schwan 3	12.02.2020
StoicFu3 MP	2	Science Lab Physik Basis PB (Satz) - Büro 107	12.02.2020
StoicFu3 MP	2	SW/ Gerätesatz BVC 1 - Ausstellerraum AB - Schwan 6 - Regel 5	12.02.2020
StoicFu3 MP	2	SW/ Gerätesatz BVC 1 - Ausstellerraum AB - Schwan 6 - Regel 5	12.02.2020
Stoicrange 40 cm, 10 mm Ø	2	Science Lab Physik Basis PB (Satz) - Ausstellerraum AB - Schwan 3	12.02.2020
Stoicrange 40 cm, 10 mm Ø	3	Science Lab Chemie Basis CB (Batz) - Büro 107	12.02.2020
Stoicrange 40 cm, 10 mm Ø	3	Science Lab Chemie Basis CB (Batz) - Ausstellerraum AB - Schwan 3 - Regel 1	12.02.2020
Stoicrange 40 cm, 10 mm Ø	3	Science Lab Storage Basis (Satz) - Büro 108	12.02.2020
Stoicrange 40 cm, 10 mm Ø	3	Science Lab Storage Basis (Satz) - Ausstellerraum AB - Schwan 3	12.02.2020
Stoicrange 40 cm, 10 mm Ø	2	Science Lab Physik Basis PB (Satz) - Büro 107	12.02.2020
StoicFu3c, Pear	1	Science Lab Chemie Basis CB (Batz) - Büro 107	12.02.2020
StoicFu3c, Pear	1	Science Lab Chemie Basis CB (Batz) - Ausstellerraum AB - Schwan 3 - Regel 1	12.02.2020

Overview of devices with their storage location

BENEFITS AT A GLANCE

- Central management
- Access for all colleagues, anytime & from anywhere
- Saving & uploading of experiment instructions
- Inventory of the devices
- Creation of individual experiments

To the LeyLab Free-Version WWW.LEYLAB.DE

PHYSICS

CHEMISTRY
BIOLOGY

ENGINEERING



LD DIDACTIC

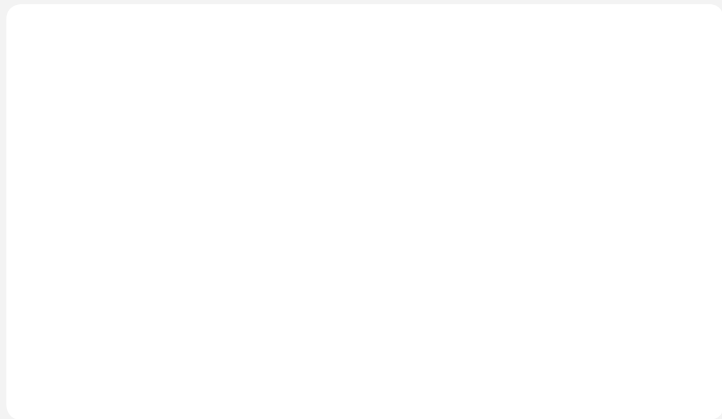
CONTACT

GERMANY:

LD DIDACTIC GmbH
Leyboldstr. 1
D-50354 Hürth/Germany

Tel.: +49 2233 604 0
Fax: +49 2233 604 222
E-Mail: info@ld-didactic.de

WWW.LD-DIDACTIC.COM
WWW.LEYBOLD-SHOP.COM



[To the free demo version of the Lab Docs Editor](http://WWW.LD-DIDACTIC.DE/EN/SERVICE/SOFTWAREDOWNLOAD/LAB-DOCS-EDITOR)
[WWW.LD-DIDACTIC.DE/EN/
SERVICE/SOFTWAREDOWNLOAD/
LAB-DOCS-EDITOR](http://WWW.LD-DIDACTIC.DE/EN/SERVICE/SOFTWAREDOWNLOAD/LAB-DOCS-EDITOR)



BRANDS OF THE LD DIDACTIC GROUP

LEYBOLD® Feedback ELWE® TECHNIK