

L A B S



LILIAN water analysis Overview for partners

— LILIAN LABS —



LILIAN makes water analysis quick and easy!

The LILIAN is as simple as an electrical measurement – but without the need for calibration. It is as accurate as a chemical test combined with a photometer – but without the hassle of sample preparation. No more complicated selection of measurement methods, and all readings are automatically documented digitally and tamper-proof.

With the LILIAN, you gain unique advantages that no other photometer offers. These result in simplicity and time savings, particularly when you are faced with a shortage of skilled staff. With the LILIAN, technicians and specialists can concentrate on the essentials. But even if you are not an expert, you can carry out reliable water measurements.



PRECISE RESULTS

The revolutionary technology ensures fast and accurate measurement results. Everyone gets the same results!



SAFE WATER TESTING

No more tedious handling of chemicals and no diluting. Protecting your health.



HUGE TIME SAVING

Within 60 seconds, the LILIAN System prepares, analyzes and documents all relevant values.



EASY HANDLING

The LILIAN measuring device is handy, wireless and easy to use. The measurement method is selected automatically.



SIGNIFICANT COST SAVING

Efficient staff deployment creates free space for other important tasks.



ENVIRONMENTALLY FRIENDLY DISPOSAL

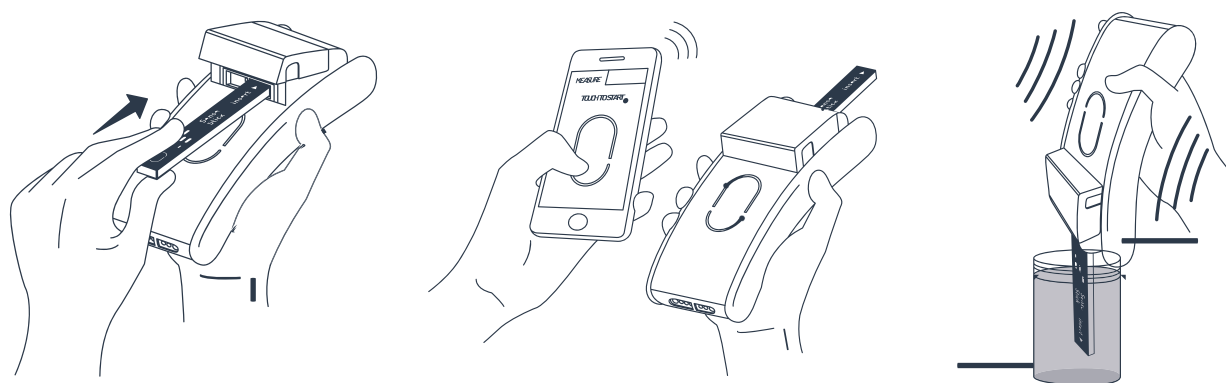
The SensoSticks can be returned to us and will be recycled in an environmentally friendly way.



Here's how it works:

Experience water testing that's easier than ever before. LILIAN is the innovative photometer with a digital platform that takes care of the chemical sample preparation for you.

Measure pH, water hardness and more at the touch of a button – in a flash and without errors. Simply insert the SensoStick into the LILIAN, connect to the app and start the measurement at the touch of a button. The rest of the measurement process takes place automatically in under a minute.



The measurement data is automatically recorded in the digital logbook and assigned to the correct measurement points. The free cloud application allows secure access from anywhere.

The measurement data can also be exported manually or seamlessly integrated into existing software via an automated interface. This makes it easy to integrate the measurement data into existing digital platforms or LIMBS systems.



The LILIAN for professional use:

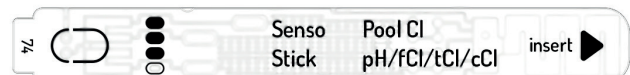
We currently offer all the key parameters for a wide range of applications. In many cases, several parameters are combined on a single SensoStick.

- Swimming pools, hotel pools, laboratories for monitoring pool water
- Cooling water
- Heating water
- Monitoring of chlorinated drinking water

Parameter catalogue:

Parameter	Measuring range	Tolerance
Water Total Hardness	0-28 °dH	+ - 10% of result
pH value	6,3-8,4	+ - 0,03
pH value	7,0-11,0	+ - 0,1
Chlorine dioxide	0-8,0 mg/l	+ - 0,05 mg/l
Chlorine free / total / combined*	0-4,0 mg/l	+ - 0,03 mg/l
Chlorine free / total / combined*	0-10,0 mg/l	+ - 0,1 mg/l
Chlorine free / total / combined*	0-9,0 mg/l	+ - 0,05 mg/l
Total alkalinity KS4.3	0-250 mg/l	+ - 5 mg/l
Cyanuric acid	0-120 mg/l	+ - 5 mg/l
Active oxygen	0-20,0 mg/l	+ - 0,2 mg/l

*: Chlorine combined calculated





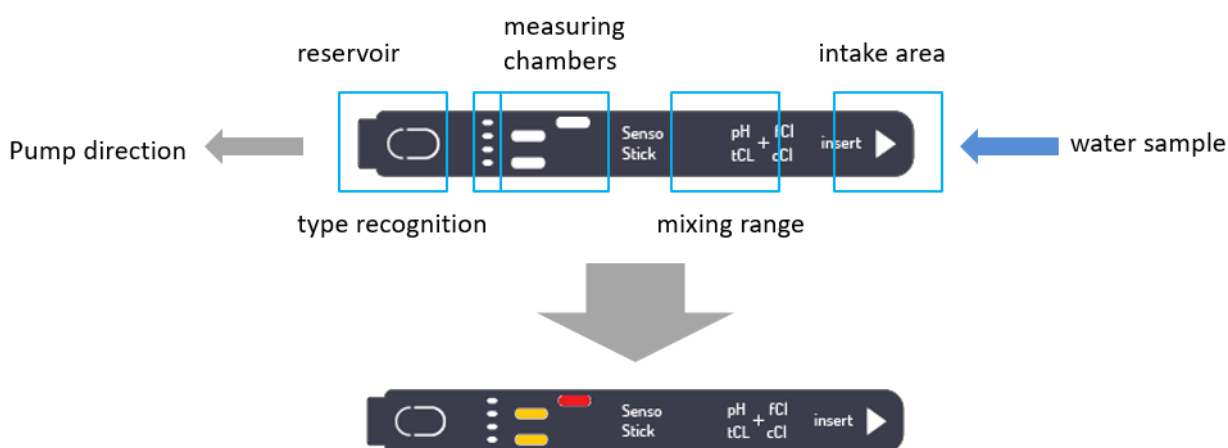
How exactly does the LILIAN measurement system work?

The LILIAN measuring device is an advanced photometer that no longer requires the use of cuvettes, which previously had to be used to take individual water samples and add chemicals.

With the LILIAN, you simply insert the SensoStick into the measuring device. This is a microfluidic element on which several cuvettes are integrated on a micro-scale. As soon as the measurement is started at the touch of a button, a pump in the measuring device draws water into the SensoStick. The water sample is divided into various microchannels, where it absorbs the chemicals and takes on the characteristic colour.

A micro-laboratory integrated into the SensoSticks handles the manual sample preparation required with photometers. The SensoStick contains measurement windows through which the measuring device can then determine the colour change and calculate the corresponding water value.

Thanks to the automation and parallelisation of the measurements, the user is able to work significantly faster than before and with a lower risk of errors.





Included for free: Cloud-based LILIAN Manager software

Are you tired of handwritten records and the time-consuming task of entering your water parameters into Excel? With LILIAN Manager, you can keep a constant eye on your water quality from anywhere – in any facility, at any measurement site and at any measurement point.

You can spot critical readings straight away! You can always track which employee measured which specific parameters, when and where. Create reports and export the data to your PC or Mac.

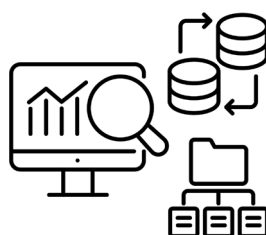
The Manager can even be used as a digital logbook. With the LILIAN Manager, you can digitally record both the data measured by the LILIAN and all other values, such as redox potential, water temperature, etc.

- Cloud-based user and data management system
- Free analysis and export tools
- Digital logbook for data from other measurement sources
- Automatic correction of measured values
- Integrated direct measurements possible without logging in
- Integrated free chlorine calculation

LILIAN DEVICE FAST & EASY MEASUREMENT



LILIAN MANAGER MANAGE & SHARE YOUR DATA





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I look forward to hearing from you!

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We are always on the lookout for new partners for our global distribution network. We are also always interested in new applications where the LILIAN offers an improvement on the current solution.

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