

# Lovibond® Water Testing



## Integrated Solutions

for all routine tests in water analysis



[www.lovibond.com](http://www.lovibond.com)



# Tradition



## Always working for you

We employ approximately 400 employees at our locations in Germany, UK, USA, Spain, Brazil, India, China, Hong Kong and Malaysia.

Whether logistics specialists, design engineers or technicians, everyone of our employees is a professional in their field of work. Fast decision-making channels allow us to respond quickly and flexibly to our clients' wishes.

Teamwork, personal commitment and a strong sense of responsibility characterise the working environment in our company.

## Family-operated for more than 130 years

Devoted to water quality. For more than 130 years, we have specialised in the development of innovative instruments for water analysis. Today, the lasting success of our flexible family-operated business is primarily attributed to the commitment and creativity of our employees. Our technically advanced products are sold in over 160 countries today and above all guarantee reliable and precise analysis results.

For over 20 years, we have been certified in compliance with the quality management standard DIN ISO 9001. The high standards of quality associated with this certificate have been manifested in all parts of our company.

Experience is what makes the difference!

This applies to the field of water analysis just as it does to "real" life!

Yours, Maja Voss and Cay-Peter Voss

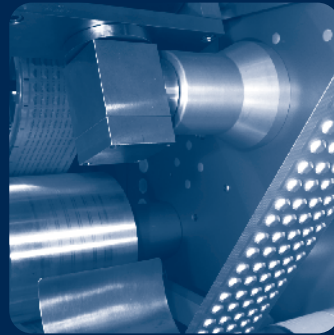
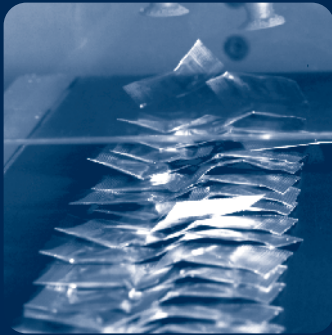
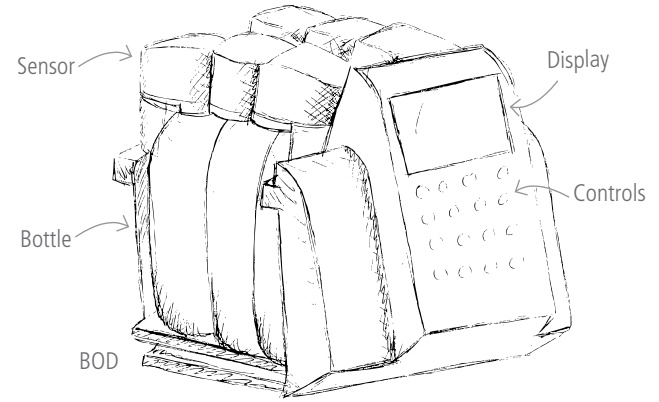


## One step ahead

We never lose sight of the latest market requirements and trends. To stay competitive, you always have to be one step ahead of the competition. From the initial idea right through to market maturity, we develop products in constant dialogue with our clients.

Decades of expertise and know-how in development and production allow us to combine chemistry with electronic measuring equipment to create the perfect products.

Our promise: We have the highest standards of development and production from one single source!



## A clean business

Our all-rounders for water analysis: ensure clear conditions from drinking and waste water to surface, ground, raw and waste water through to cooling, boiler and swimming pool water. And have been doing so for more than 130 years! We also achieve accurate measurement results even under difficult conditions thanks to our proven test equipment and reagents for modern water analysis.

Whether you are looking for Aqualytic® MINIKITS for visual quick tests, highly sensitive electronic measuring equipment or industrial or waste water kits:

Our multi-functional equipment and reagents offer reliable solutions from one single source and for any task!

It is our aim to make analytical methods as environmentally compatible and safe as possible. In so doing, we want to achieve a favourably green profile. That is why we avoid using harmful chemicals such as boric acid in our formulations – although this additive is still rampant in the industry.

# Rapid Tests

## Tablets based rapid tests

- Easy operation
- Exact reagent dosing
- High accuracy

## Compact and handy colorimetric system

- Cost-efficient
- Accurate
- Reliable

## Colorimetric system with coloured glass standard

- More than 400 different test discs available
- Compensation for coloured and turbid samples
- Guaranteed constancy of the coloured glass standards

## Test Kits

These Lovibond® test kits are specially developed for testing boiler, cooling and industrial process water. They make use of both colorimetric and titrimetric techniques. Each test kit contains all the necessary chemicals and reagents in liquid or powder form to conduct the tests, f.e. available as: Hardness Test Kit, SDI Test Kit (Silt Density Index), non-oxidising Biocide, Arsenic and Three-Chamber-Tester Chlorine.

## Drop Test Titration

Lovibond® drop tests are derived from standard laboratory titration procedures and are established throughout the industry. They are safe and easy to use, bring fast results and are therefore the first choice for many customers in industrial water treatment.

Aqualytic® MINIKIT



CHECKIT® Comparator



Comparator 2000+



Test Kits



For several decades, Tintometer in Dortmund has been manufacturing reagents for water testing and marketing these reagents around the world under the brand name Lovibond®. Different forms of reagents are required for different fields of application. Tintometer is the only reagent producer in the world that offers a complete range of reagent forms.

# Reagents

## Tablet Reagents

- Secured storage in individually-packed aluminium strips
- Accurate dosage, even under in-field conditions
- High accuracy and simple handling
- Shelf life of 5-10 years

## Powder Reagents

- Fast and easy use
- 2 years shelf life
- Best trickling ability
- Chemical properties of the VARIO products make them compatible to Hach® instruments.\*

## Tube Tests

- 16 mm diameter tubes barcoded
- Precisely pre-dosed reagents
- Time-saving methods
- Enhanced work safety
- Shock-resistant housing
- Can be used with photometers of other manufacturers



## Green Chemistry

With all our reagents, we strive to keep the formulations as environmentally friendly as possible. Hazardous substances are – whenever possible – replaced by harmless and functionally identical substitutes.

Where the required chemistry of the detection method makes the use of these substances absolutely necessary, the concentration levels are lowered to the minimum rate, without compromising the accuracy of the analysis results.



## Evo Reagents

Follow the purple belt and the potassium iodide crystal on our products. Then you are guaranteed to be on the safe side. Purple is the identifying colour of iodide. Our half-filled crystal signals: The potassium iodide content of the product is significantly reduced and non-hazardous.



## Tablet Reagents



## Powder Reagents



## Liquid Reagents

- Rapid dosing
- No dissolution required



low iodide

\* HACH® is a registered trademark of Hach Company, Loveland, Colorado / HACH LANGE GmbH, Düsseldorf, Germany. The use of the HACH® trademark does not imply any affiliation with or approval by Hach Company / HACH LANGE GmbH regarding the formulation, testing or suitability of these products for use in HACH® brand spectrophotometers or other devices or systems.



# Photometers

## MD50 Single Parameter Photometer

Your ultimate solution for accurate testing and unrivalled ease of use!

The MD50 series offers a comprehensive range of single parameter photometers for a wide variety of water treatment requirements.

With its robust, compact and waterproof design, the MD50 is the ideal companion for use in the field. The intuitive operation due to a user-friendly UI makes measurements effortless. Meet laboratory standards with our GLP-compliant photometer and achieve maximum efficiency with fast measurements and One-Time-Zero.

Enjoy smooth data management like never before.

With NFC technology and the AquaLX® app, data can be easily transferred. Alternatively, you can use wired data import and export options via USB-C.

## MD100 & MD110

It's small but has a huge impact in the industry. It is a handheld design.

The single and multi-parameter photometers of the MD100 and MD110 series are best suited for mobile on-site analysis. Both instrument series can be used in almost all fields of water analytics.

The difference: the MD110 instrument is equipped with low-energy **Bluetooth®**.

## MD200

The Benchtop Classic from Lovibond®. For years, this instrument has been providing excellent performance with the highest accuracy and quality. The series includes several 2in1, 3in1, 4in1, 5in1 and even 6in1 variants and is applicable in all fields of water analysis. This makes for a truly versatile portfolio.

This strong trio enables you to deal with any challenge in almost all fields of water analytics. These instruments are equipped with high-precision optics, long-term stable LEDs, high quality interference filters, and resistance to shocks – not to mention they are maintenance-free. Results are precise every time and can be reproduced in a relatively short period of time.



## MD600, MD610 and MD640

With more than 120 pre-programmed methods and up to 1000 storable data sets, these are just a few benchmarks the MD600, MD610\* and MD640\* photometer series utilises. All important parameters from A(luminium) to Z(inc) are covered by these instruments. Equipped with **Bluetooth®**, the MD610 is an extended variation of the MD600. Additionally, the MD640 houses a 90° fluorescence detection chamber for the determination of PTSA and Fluorescein – additional adapters are not necessary. All instruments use powder reagents, tablet reagents, liquid reagents or tube tests (according to the method). Six long-term stable LEDs in conjunction with interference filters ensure the highest accuracy – making for a fast and reliable analysis of a sample at any time.

\* with **Bluetooth®**

## Photometer MultiDirect

The MultiDirect is a modern microprocessor-controlled photometer with reference beam optics, an ergonomic keypad and a large graphic display. The dual-beam technology prevents drift and fosters extraordinary long-term stability. Enjoy wear-free optics due to a lack of moving parts. The MultiDirect operates with 6 interference filters of different wavelengths and holds a large number of pre-programmed methods based on the proven range of Lovibond® tablet reagents, liquid reagents, vial tests, or VARIO powder packs. In addition, performed tests and measuring methods can be saved for future use.



The reference and verification standard kits are designed to assure the user of the accuracy and the reliability of the results.

Long-term stable measurement through two-beam technology



# Photometers

## VIS/UV-VIS Spectrophotometer XD7000/7500

The outstanding price/performance ratio of the XD7000 and XD7500 is maintained with the diverse range of Lovibond® reagents. So the user can be sure when purchasing the device to also have a low-priced solution for routine analysis in the future.

The barcoded cuvette tests allow the user an immediate access to the respective method: The insertion of the 16mm cuvettes into the cell compartment is sufficient. Likewise for any other of the more than 165 parameters, the external barcode reader provides direct method selection. By adopting these barcodes into customer documents, such as work instructions, the correct operation is significantly streamlined. High speed UV/VIS Spectral Scan.

## ValidCheck Standard solutions

Quality management of analytical methods is a fundamental prerequisite for reliable water analysis.

With the new ValidCheck standards ready-to-use solutions are available. The precisely adjusted concentrations are adapted to each particular application case.

A dilution is not necessary.



- Economic system solution consisting of premium spectrophotometer and barcoded reagents
- Direct method selection via barcode recognition
- Versatile application via 150 preprogrammed, ready to use methods
- 10-language Handbook of Methods, 24-language device software, 27-language user manual
- Comprehensive support of analytical quality assurance





## Photometers PM600, PM620 & PM630

The PM600 photometer range brings pool testing to the next level for discerning pool operators. The ergonomic, portable, waterproof design enables users to select just one unit for accurate analysis of up to 34 parameters anytime and anywhere.

The **PM600** focusses on the main pool parameters required for balanced water including: alkalinity, bromine, chlorine, cyanuric acid, iron, calcium hardness, copper, sodium hypochlorite, phosphate, ozone and pH value.

The **PM620** extends these capabilities to include up to 34 parameter variants from acid demand to urea.

The **PM630** corresponds to the PM620 and comes with **Bluetooth®** data transmission for easy data transfer to smartphones or tablets.

## AquaLX® App

The AquaLX® app is the ideal supplement for Lovibond® photometers. The measurement results are transferred to smartphones or tablets via the **Bluetooth®** and NFC interface for quick evaluation and processing, so that all data can be analysed and assigned directly on site. The app displays all measured values including GPS coordinates as a clear graph with min. and max. limits and supports the export of data as an Excel®-compatible CSV file.

AquaLX® is compatible with:

**NFC:** MD50

**Bluetooth®:** MD110, MD610, MD640, PM630



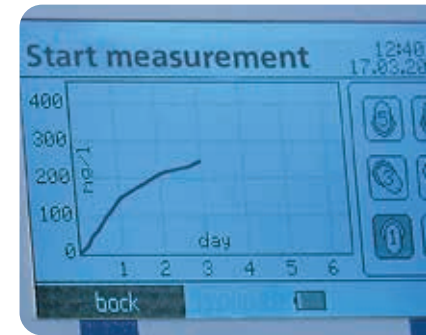
# BOD Measurement

The sensor system **BD600** is a 6 sample system that allows precise measurements of BOD based on the manometric principle. Manometric respirometers relate oxygen uptake to the change in pressure caused by oxygen consumption while maintaining a constant volume. Due to the modern integral pressure sensors, it is not necessary to use mercury for the measurements.

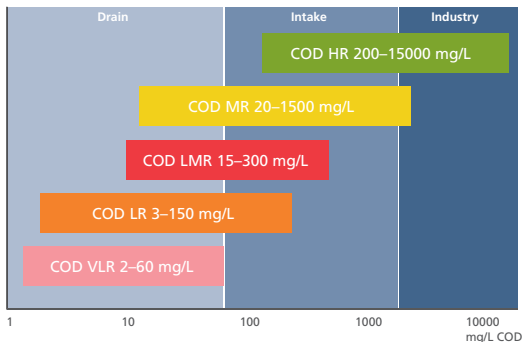
An optimised version biodegradability (according to OECD 301 F, 301 C, 302 C) testing under GLP conditions is available.

With the **BD600 GLP**, we have developed a new system that combines modern design and up-to-date data exchange via USB with GLP-compliant data management and a lifetime of the instrument's protected resident memory (1 GB). All settings and changes are registered and logged. Any manipulation is thus prevented, erasure of data impossible.

- User friendly
- Large bright graphic display
- Graphical representation of measured values
- Data transfer via USB and SD card
- Mercury-free, environmentally-friendly
- Remote control
- User-selectable time span from 1 to 28 days or 1 to 90 days (GLP version)
- Free individual programming of each of the six samples
- Inductive stirring system, 100-240 V / 50-60 Hz



### The right COD tube test for every application



The Lovibond® **COD Setups** allow highly sensitive, precise and cost-effective water testing with minimum effort. They measure the COD concentration by photometric detection.

The setups comprise the photometer, 25 tube tests for each of the two lower measuring ranges, a reactor for sample digestion and a vial stand.

# Waste Water Setups

The Lovibond® **waste water testing setups** are complete packages composed of a thermal reactor, a photometer, required reagents and a vial stand. The reagents supplied are for determining the most relevant waste water parameters such as COD, ammonium, nitrate, nitrite, total nitrogen, phosphate and total phosphorus.

The VARIO COD reagents meet the requirements of ISO 15705:2002.

The **RD125** thermoreactor is a versatile

instrument, allowing both digestion for COD analysis, and also for total nitrogen and total phosphorus determination.

For tube test digestion.

Chemical digestion of samples is required for the photometric determination of COD, TOC, total chromium, total nitrogen and total phosphate.

### COD Setup MD100/110



### COD Setup MD200



### Waste Water Setup



### Thermoreactor



# Tempering

environmentally  
friendly coolant

## Thermostatically controlled incubators

The TC Series of thermostatically controlled cabinets is used for continuous temperature control over a range of 2 °C to 40 °C. This makes them ideal for the determination of BOD at 20 °C.

Highly efficient components provide maximum energy efficiency.

There are 3 models available with standard doors from 135 to 488 litres net capacity, and 2 models with glass doors with 140 and 288 litres net capacity.

- Temperature range 2 °C to 40 °C, adjustable in steps of 0.1 °C
- Low power consumption
- Illuminated LED display
- Power sockets inside the incubator
- Standard door or glass door

## Spark-free cabinet

The German guidelines "Working Safely in Laboratories BG-I 850-0" stipulates that interior spaces must be explosion-protected where hazardous, explosive atmospheres can develop (for example, due to the presence of flammable liquids).

The Lovibond® cabinet EX meets the requirements of these guidelines and is fully equipped for daily laboratory use.

- Spark-free according to BG-I 850-0
- Dynamic cooling system
- 1 °C to 15 °C, continuously adjustable
- Digital temperature display (outside)
- High energy efficiency
- Robust materials
- Lockable

TC140 G

TC715 G

TC135 S

TC710 S

TC720 S



# Flocculation

## Floc Tester

Floc testers are designed for a range of applications – such as testing the efficiency of flocculation or precipitation agents.

State-of-the-art technology ensures maximum operating convenience and makes the unit maintenance-free. The main features of the laboratory floc testers are the continuously variable stirring speed, the digital display of stirring rpm, the timer function, the illuminated back panel, and the height adjustment option for the stirring blades during operation.



- Continuously variable stirring speed
- Digital display
- Height adjustment of the stirring blades during operation
- Timer feature
- For laboratory and field use

# Electrochemistry

## Multiparameter measuring instrument SD335



*Galvanic isolation:  
Simultaneous determination  
of three parameters*

Robust, waterproof (IP67) and portable handheld meter for measuring conductivity, TDS, salinity and temperature. Ease of use and protective arming guarantee safe working, even in extreme environmental conditions.

Portable handheld instrument for the determination of dissolved oxygen. It's reliable, rugged-, and ideal for instant measurements with no time-consuming polarisation time, thanks to the Clark oxygen sensor.

Portable handheld instrument for the determination of pH and Redox values. It is reliable, waterproof (IP67) and robust, making it an ideal solution for on-site analysis.

SD325 Con



SD315 Oxi



SD305 pH/ORP





# Electrochemistry

The SD400 Oxi L measures the dissolved oxygen content by the optical principle. Benefits of the luminescent technology are less maintenance and calibration as well as the fast response time.

- Dissolved oxygen (O<sub>2</sub>)
- O<sub>2</sub> concentration in mg/L
- O<sub>2</sub> saturation in %
- Temperature (°C/°F)

The SensoDirect 150 combines the features of several hand-held meters. It is designed for multi purpose operation.

- pH value
- Redox
- Oxygen (dissolved)
- Conductivity
- TDS
- Temperature (°C/°F)

The SensoDirect 110 series consists of multiple battery operated hand-held devices, light weight housing and protective casing. A built-in electrode holder make this series very popular.

- pH
- Conductivity
- Salinity

As a single parameter or multi-parameter instrument: the pocket testers of the SD series are so compact that they fit comfortably in one hand or on trousers. They are easy to use for pH measurement, redox/ORP control or for monitoring Con, TDS and salt. The SD series is ideal for mobile use on-site: samples can be measured directly in the lid, which also provides a secure stand. The perfect assistant for environmental, industrial or pool & spa monitoring.

SD400 Oxi L



SensoDirect 150



SensoDirect 110-Serie



SD10 pH • SD20 ORP  
SD30 EC • SD40 Multi



# Turbidity



## Get lab accuracy as portable solution

### TB350 IR/WL

The TB350 turbidity meter is ideal for portable use in field applications such as water distribution systems monitoring and laboratories that test a wide range of samples. It is also ideal to verify results of our online turbidimeters of the PTV series. Available with infrared (IR) or white light (WL) sources in accordance to ISO 7027 and US EPA. With an easy, full-colour, touchscreen-based user interface that provides animated & guided procedures and straightforward data management.

- Innovative straylight elimination
- Highest accuracy over the complete range
- Outstanding ease of use
- Superior sensor technology to enable wide range of 0.01 NTU up to 4000 NTU

## For robust & cost efficient on-site analysis

### TB211 IR

The robust Lovibond® infrared turbidity measuring instrument TB211 IR provides fast and cost efficient on-site analysis. Turbidity measurement range from 0.01 to 1100 NTU with an accu-

racy of  $\pm 2.5\%$  of reading up to 500 NTU and  $\pm 5\%$  thereafter. A direct transfer of the measurement results to a PC is through the USB interface easy to set up.



## The darker the better

Our experts solved two fundamental problems of turbidity measurement in a patented and unprecedented way. The sophisticated arrangement of the two detectors allows the analysis of low and high turbidity samples with unsurpassed accuracy over the complete measuring range up to 4000 NTU.

The angle of detection stays at 90° over the entire range, so this method remains purely nephelometric. This ensures consistent results at any time, regardless of the size and shape of the turbidity-causing particles. The light-absorbing trap (BLAC®) eliminates stray light perfectly and provides extremely accurate results for low turbidity down to 0.01 NTU.

The new **BLAC®** technology stands for: **B**ackscattered **L**ight **A**bsorbing **C**avity

- USB interface
- Infrared light measurement (90°)
- Measurement of coloured liquids
- Easy handling
- 600 tests without battery change



# On-line Turbidity



## On-line turbidity measuring instruments Process simplified – a new approach

### PTV Series

User inspired system: The development of the PTV Series turbidimeters considered every aspect of process turbidity workflow – from installation and setup; daily measurement and control; routine procedures such as calibration, verification and maintenance to data collection and management.

We have created a secure system that is protected by several patents with significantly reduced complexity, allowing users to interact with an unlimited number of turbidimeters using a single mobile device app. This approach eliminates the requirement of dedicated controllers for each instrument and allows maximum flexibility if your needs and regulatory requirements change in the future.

The PTV series includes on-line turbidimeters with unsurpassed performance at low turbidity levels, ideal for monitoring filter efficiency for drinking water treatment

- Stable LED light sources, ISO and EPA compliance
- Low volume flow body design for larger water savings
- Integrated bubble trap and flow indication
- Intuitive instrument control app (Android™ and iOS®) and integrated touchscreen display
- Novel calibration and verification concept using stabilised formazine: T-CALplus™ – contactless and bubble-free

**Bluetooth®** is a wireless technology subject to regional approval. The use of the PTV with **Bluetooth®** is currently only permitted within Europe, the USA, Japan and in Canada. For current regions and further information, visit: [www.lovibond.com/en/PW/Water-Testing/Products/Software/AquaLX-App](http://www.lovibond.com/en/PW/Water-Testing/Products/Software/AquaLX-App)

iOS® is a registered trademark of Cisco, Inc. and licensed to Apple, Inc. Android™ is a trademark of Google, Inc.

# Industrial Water Analysis

Designed for the water treatment professional, these well proven cases are an excellent option for constructing bespoke portable laboratories that feature colorimetric, titration and electrochemical equipment. These kits are fast becoming an industry standard for the water treatment engineer.

The range of test kits and equipment for cooling water contain all equipment and test reagents required to optimise treatments and monitor critical control parameters quickly, safely and accurately, ensuring optimum output and efficiency.

The new Lovibond® range consists of individually designed and customised Water Test Kits for industrial water treatment. Current applications include microbiological, industrial water, *Legionella*, food and beverage, boiler and cooling water systems, the hygiene sector, potable water and waste water. All products are available stand-alone or as an integrated set, housed in one of the comprehensive Lovibond® engineering kits.

The Boiler Water Test Kit contains all the necessary equipment and reagents for the main parameters required for monitoring Boiler Water. These include tests for oxygen scavengers, electro-chemistry parameters and indicators of scale and corrosion.

- Brix and glycol
- Convenient, fast, accurate
- No mess, instant results
- Direct readings of freeze points and concentration (ethylene glycol & propylene glycol)

## Portable Laboratories



## Cooling Water Test Kit



## Boiler Water Test Kit



## Refractometer



Biological activity can be an unseen threat. Lovibond® offers a range of products to detect pathogens, bacteria, germs and other microorganisms in water to monitor water quality and minimise potential health risks.

# Microbiology

## Small portable labs

- Ideal for emergency situations
- Microbiological and simple chemical analysis methods for indicator parameters
- Simple tests to assess the quality of drinking water
- Can be used at various locations such as water supply systems

## Yes/No test

- Coliforms are ideal indicator bacteria for monitoring watercourses, tanks, etc.
- Simple one-step procedure
- Use of 100 mL samples complies with official regulations
- Detection of coliforms and *E. coli* in one test
- Shelf life of 14 months from date of manufacture

## Result in 25 minutes

- Simple application
- Can be performed on site
- Works like the Covid-19 rapid test
- Shelf life of 18 months from date of manufacture
- Use as part of an overall risk assessment concept

## Dipslides

- Enables regular trend analysis of the growth rate of microorganisms
- Quantification of the results using the Dipslide Comparator 2 app

## DI10 Incubator

- Ensures controlled and uniform bacterial growth
- Excellent temperature stability
- Operation in the car or van possible

## Water Safety Kit



## Coliform/*E. coli* Test Kit



## Legionella Test Kit



## Dipslide & Incubator





# Pool Water Analysis



## New packaging

as a contribution to environmental protection – less plastic!

The new cardboard packaging as a cheaper alternative to plastic boxes.

The contents remain the same, only the outer packaging has changed.

- Active oxygen
- Alkalinity-m
- Bromine
- Calcium hardness
- Chlorine
- Cyanuric acid
- pH value



## Lovibond® Pooltester – The visual tester

The Pool Tester and the Mini Pool Tester are a quick analysis aid for every pool owner.

Fill the tester with pool water, add the tablets and compare the colour change with the scale: there is no easier way to reliably check pool parameters such as pH or chlorine.



Also available: Phosphate Test Kit



For the efficient use of test reagents, Lovibond® offers refill packs for the Scuba3s.



- Active oxygen
- Alkalinity-m
- Bromine
- Calcium hardness
- Chlorine free, combined, total
- Copper
- Cyanuric acid
- pH value
- Phosphate
- Urea (only for Scuba3s HR)

## Scuba3s – The smart Pooltester

Whether directly at the pool or relaxing on the sofa:

with the Scuba3s, pool monitoring is possible anywhere and at any time. The results of the pool tests are sent wirelessly via NFC directly to the smartphone or tablet.

With the PoolAssistant app, pool management is simple like never before. With light signals (red/green) in the display, the Scuba3s indicates whether the water conditions guarantee safe swimming in accordance with the globally accepted measuring ranges.

Meet the specific requirements in America and Asia with our exclusive version Suba3s HR for the extended measuring range. This special version enables the precise measurement of chlorine, bromine and alkalinity, even in high concentrations.

So you are always and everywhere on the safe side!



Video available

# Pool Water Analysis

## Lovibond® PoolAssistant App

As a supplement to the Scuba3s, our app is an ideal solution for analysing your swimming pool water and managing your measurements.

It offers:

- Pool-specific dashboard of the measurement results
- Connectivity with a cloud for data storage
- Categorisation of results by colour coding (red, green)
- Data visualisation in a diagram
- Data export as PDF, CSV or image
- FAQ & operating instructions
- Langelier Saturation Index Calculator



Parameter	Rapid Tests					Photometer Systems									
	MINIKIT	further Test Kits	CHECKIT® Comparator	Comparator 2000+	Pooltester	Scuba3s	MD50	MD100	MD110	MD200	MD600, 610, 640**	MultiDirect	PM Photometer	XD7000	XD7500
Acid Capacity K <sub>54.3</sub>	■	■	■							■	■	■	■	■	■
Acid Concentration	■	■													
Acidity		■													
Alkalinity-m	■	■	■		■	■	■	■	■	■	■	■	■	■	■
Alkalinity-p	■	■								■	■				
Aluminium			■	■				■	■	■	■	■	■	■	■
Amine				■											
Ammonia			■	■				■		■	■	■	■	■	■
Ammonia, free				■											
Arsenic <sup>1)</sup>	■	■												■	■
Bromine			■	■	■	■	■	■	■	■	■	■	■	■	■
Cadmium				■										■	■
Calcium Hardness	■	■			■	■	■	■	■	■	■	■	■	■	■
Carbon dioxide		■													
Carbonic acid		■													
Carbonate Hardness		■													
Chlorine		■	■	■	■	■	■	■	■	■	■	■	■	■	■
Chlorine Dioxide		■	■	■		■	■	■	■	■	■	■	■	■	■
Chloride	■	■		■				■	■	■	■	■	■	■	■
Chromium				■						■				■	■
Copper			■	■	■	■	■	■	■	■	■	■	■	■	■
Cyanide				■						■	■			■	■
Cyanuric acid	■					■	■	■	■	■	■	■	■	■	■
DEHA		■	■	■						■	■			■	■
Fluoresceine										■	■				
Fluoride			■	■				■		■	■			■	■
Formaldehyde														■	■
Hazen (Pt-Co-Einheiten; APHA)				■		■	■			■	■			■	■
Hydrazine				■			■	■		■	■			■	■
Hydrogen Peroxide		■		■	■				■	■	■	■	■	■	■
Hydroxide Concentration	■	■													
Iron (Fe <sup>2+</sup> , Fe <sup>3+</sup> ), dissolved		■	■	■				■	■	■	■	■	■	■	■
Iodine				■						■	■	■	■	■	■
Langelier Water Balance System										■	■	■			
Lead				■										■	■
Manganese			■	■				■		■	■			■	■
Molybdate / Molybdenum		■	■	■		■	■	■		■	■			■	■
Monochloramin						■				■	■	■	■	■	■

Parameter	Rapid Tests					Photometer Systems									
	MINIKIT	further Test Kits	CHECKIT® Comparator	Comparator 2000+	Pooltester	Scuba3s	MD50	MD100	MD110	MD200	MD600, 610, 640**	MultiDirect	PM Photometer	XD7000	XD7500
Nickel				■							■	■		■	■
Nitrate			■	■							■	■		■	■
Nitrite	■	■	■	■							■	■		■	■
Nitrogen, total											■	■		■	■
Ozone		■	■	■			■	■	■		■	■	■	■	■
Oxygen, activ					■						■	■	■	■	■
Oxygen, dissolved		■		■				■	■		■	■		■	■
Peracetic Acid		■													
Permanganate				■											
Phenoles				■							■	■		■	■
pH value		■	■	■	■	■	■	■	■	■	■	■	■	■	■
PHMB – Biguanides					■						■	■	■	■	■
Phosphate	■	■	■	■		■	■	■	■		■	■	■	■	■
Phosphonate		■									■	■		■	■
Polyacrylates		■						■	■		■			■	■
Potassium											■	■		■	■
PTSA											■	■			
QAC	■	■		■	■										
Silica			■	■				■	■		■	■		■	■
Spectral Absorption-Coefficient														■	■
Sodium Hypochlorite	■	■	■								■	■	■	■	■
Sugar				■											
Sulphate	■							■	■		■	■	■	■	■
Sulphide											■	■		■	■
Sulphite	■	■	■	■							■	■		■	■
Suspended Solids						■	■				■	■		■	■
Surfactants (anionic, cationic, non ionic)											■	■		■	■
Tannin	■	■		■							■	■			
Thiocyanate											■	■			
Tin				■											
TOC											■	■		■	■
Total Chelant		■													
Total Hardness	■	■		■				■			■	■	■	■	■
Total Oxidant		■													
Triazoles								■	■		■			■	■
Turbidity (FAU)											■	■		■	■
Urea <sup>1)</sup>					■	■	■		■	■	■	■	■	■	■
Zinc		■	■	■				■	■		■	■		■	■

<sup>1)</sup>only Scuba3sHR

<sup>2)</sup> for more information and further tests see: [www.lovibond.com](http://www.lovibond.com)

**Tintometer GmbH**

Lovibond® Water Testing  
Schleefstraße 8-12  
44287 Dortmund  
Tel.: +49 (0)231/94510-0  
sales@lovibond.com  
www.lovibond.com  
Germany

**The Tintometer Limited**

Lovibond House  
Sun Rise Way  
Armesbury, SP4 7GR  
Tel.: +44 (0)1980 664800  
Fax: +44 (0)1980 625412  
water.sales@lovibond.uk  
www.lovibond.com  
UK

**Tintometer Inc.**

6456 Parkland Drive  
Sarasota, FL 34243  
Tel.: +1 941 756 6410  
Fax: +1 941 727 9654  
sales@lovibond.us  
www.lovibond.com  
USA

**Tintometer Spain**

Post box: 24047  
08080 Barcelona  
Tel.: +34 661 606 770  
sales@tintometer.es  
www.lovibond.com  
Spain

**Tintometer China**

9F, SOHO II C.  
No.9 Guanghualu, Chaoyang District,  
Beijing, 100020  
北京朝阳区光华路9号楼,  
SOHO II C座9层  
Tel: +86 10 8525 1111 Ext.330  
Fax: +86 10 8525 1001  
chinaoffice@tintometer.com  
www.lovibond.com/zh  
China

**Tintometer South East Asia**

Unit B-3-12, BBT One Boulevard,  
Lebuh Nilam 2, Bandar Bukit Tinggi,  
Klang, 41200, Selangor D.E  
Tel.: +60 (0)3 3325 2285/6  
Fax: +60 (0)3 3325 2287  
lovibond.asia@lovibond.com  
www.lovibond.com  
Malaysia

**Tintometer Brazil**

Caixa Postal: 271  
CEP: 13201-970  
Jundiai – SP -  
Tel.: +55 (11) 3230-6410  
sales@lovibond.us  
www.lovibond.com.br  
Brazil

**Tintometer India Pvt. Ltd.**

Door No: 7-2-C-14, 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> Floor  
Sanathnagar Industrial Estate,  
Hyderabad: 500018, Telangana  
Tel: +91 (0) 40 23883300  
Toll Free: 1 800 599 3891/ 3892  
indiaoffice@lovibond.in  
www.lovibondwater.in  
India

Technical changes without notice  
Printed in Germany 08/24  
No.: 938160

Lovibond® and Tintometer®  
are Trademarks of the  
Tintometer Group of Companies

Reg. No. 5394



The **Bluetooth®** word mark is a registered trademark owned by Bluetooth SIG, Inc. and any use by Lovibond® Tintometer GmbH is under license.  
IOS® is a registered trademark of Cisco, Inc. and licensed to Apple,  
Inc. Android™ is a trademark of Google, Inc.