Lovibond®

analítica
Salvadoreña

MD150
Multiparameter Photometer

new

smart
NFC))
connection

Your daily companion for water analysis.

IP67

Next generation in water testing:

- Wireless (NFC) and wired (USB-C) data transfer options
- Free Software and App for easy data management
- Enhanced optics for faster operation
- One Time Zero (OTZ) for more convenience and time efficiency
- Intuitive user interface with easy-use icons and animations
- Exceptional durability to with stand demanding conditions

Lovibond® Water Testing

QUALITY made in
GERMANY

FEATURES AT A GLANCE

Multi-Parameter Instrument for fast measurements

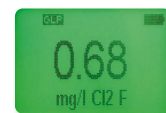*Intuitive operation*

IP67

GLP compliant data backup

Data transfer via NFC (AquaLX®)

Waterproof USB-C connection for data export & updates

Display with icons & animations

Coloured backlight:
Green: in measuring range
Red: outside measuring range or error

Perfect for a wide range of applications

- **Multiparameter combinations**

  The MD150 provides essential parameters for pool water monitoring and disinfection control, including Chlorine, Bromine, Ozone, Chlorine Dioxide, pH, Cyanuric Acid, Alkalinity, and Calcium Hardness.

- **Factory programmed methods**

  The MD150 comes with pre-programmed methods for pool and various other applications, ready to use out of the box.

- **Flexible reagent options: compatible with tablets, powder or liquid**

  Compatible with various reagent types, simply select your preferred reagent in the settings, and the method list will display only the relevant options.

Robust design for reliable performance

- **Built for durability**

  The MD150 features a durable design with rubber-protected sides ensuring reliability even in demanding environments. With its IP67 rating, the instrument offers full protection against dust and water immersion.

- **Ergonomic design**

  The MD150 is a compact, handheld instrument ideal for the use of the poolside, in the field, or in the lab. Its compact size and side protections ensure a firm grip, while rubber feet prevent slipping, enabling for single-handed operation.

Effortless operation and precision

- **Quick and accurate results**

  The innovative optical system of the MD150 provides exceptional accuracy and fast results, delivering precise measurements in record time.

- **One-Time-Zero function**

  Save operation time with the One-Time-Zero function, which remains valid for 8 hours unless the instrument is turned off.

smart NFC connection

AquaLX® App

Download on the App Store
GET IT ON Google Play

Instant Data Management

- **Data transfer – NFC / USB-C**
  Easily transfer data wirelessly via NFC to the AquaLX® app or via USB-C cable to Lovibond® Data Expert. Data can be exported in CSV format for use in programs like Excel.

- **GLP (Good Laboratory Practice) compliance**
  The MD150 automatically records and saves a protocol for every change, ensuring data quality and integrity by tracking any adjustments that could impact measurement results.

- **Automatic data storage**
  The MD150 automatically stores the last 100 readings and protocols with a time/date stamp and retains the data even during battery changes.

- **Keep your instrument up to date**
  Easily update the firmware and methods in seconds using Lovibond® Data Expert. Updates are available on the instrument's webpage.

- **User defined method**
  With the free of charge Lovibond® Data Expert, you can create custom methodes.

NFC: Wireless data transfer

NFC (Near Field Communication) is a short-range wireless technology for secure data transfer between devices in close proximity. The NFC chip in the MD50/MD150 enables seamless data transfer to Android and iOS devices. Simply activate NFC on the instrument, open the AquaLX App, and place your smartphone over the device to transfer selected data for instant evaluation.

Delivery content

The MD150 comes ready to use, including everything you need for daily water analysis.

- MD150
- 2 x AA Batteries
- Screwdriver
- 3 x Stiring rods
- 3 x 24 mm Vials with lid

- Syringe
- Cleaning brush
- USB-C to USB-A Cable
- Instruction manual
- Reagents (depends on variant) liquid, powder or tablets

MD150 Cl-pH Set -2
Part No. 282102

Photometry Standards

Ensuring accurate water analysis requires proper equipment and regular checks using reference, veryfication, and validation standards.

Lovibond® offers the following veryfication and reference kits, compatible with all MD150 variants to help maintain reliable measurement.

Reference Standard Kit Chlorine*
0.2 and 1.0 mg/L   Code: 275630
0.5 and 2.0 mg/L   Code: 275631
1.0 and 4.0 mg/L   Code: 275632

Reference Kit pH*
Code: 275635

Verification Standard Kit
Code: 215700

* for tablet method only

AVAILABLE VARIANTS

Lovibond® – Setting Standards in Flexibility

Lovibond® is the only brand on the market to offer reagents for chlorine determination in all three forms – liquid, tablet, and powder.

This unmatched variety allows us to meet the diverse needs of industries and applications worldwide. Our mission is not only to provide you with premium quality but also to deliver tailored solutions for your specific challenges.

The MD150 multiparameter photometer offers you the flexibility to select your preferred reagent type while still enabling the use of established methods across different reagent forms when needed. The table showcasing the various MD150 options is based on years of user feedback and satisfaction.

MD150 Variant Order Code Kit	Description	Parameter	Measuring Range	Reagent form included
282100	MD150 Cl-pH Set-1	Chlorine (free, total, comb.) pH	$0{,}01 - 6$ mg/L $Cl2_2$ $6{,}5 - 8{,}4$	Tablet Tablet
282102	MD150 Cl-pH Set-2	Chlorine (free, total, comb.) pH	$0{,}02 - 4$ mg/L Cl_2 $6{,}5 - 8{,}4$	Liquid Liquid
282105	MD150 Cl-pH Set-3	Chlorine (free, total, comb.) pH	$0{,}02 - 2$ mg/L Cl_2 $6{,}5 - 8{,}4$	Powder Tablet
282110	MD150 Cl-pH-CyA Set-1	Chlorine (free, total, comb.) pH Cyanuric acid HR	$0{,}01 - 6$ mg/L Cl_2 $6{,}5 - 8{,}4$ $10 - 200$ mg/L CyA	Tablet Tablet Tablet
282112	MD150 Cl-pH-CyA Set-2	Chlorine (free, total, comb.) pH Cyanuric acid HR	$0{,}01 - 6$ mg/L Cl_2 $6{,}5 - 8{,}4$ $10 - 200$ mg/L CyA	Liquid Liquid Tablet
282120	MD150 Cl LR/HR-ClO$_2$	Chlorine (free, total, comb.) Chlorine HR(KI) Chlorine dioxide	$0{,}01 - 6$ mg/L Cl_2 $5 - 200$ mg/L Cl_2 $0{,}02 - 11$ mg/L ClO_2	Tablet Tablet Tablet
282130	MD150 Cl-ClO$_2$-pH-K$_{S4.3}$	Chlorine (free, total, comb.) Chlorine dioxide pH Acid capacity ($K_{S4.3}$) Total alkalinity	$0{,}01 - 6$ mg/L Cl_2 $0{,}02 - 11$ mg/L ClO_2 $6{,}5 - 8{,}4$ $0{,}1 - 4{,}0$ mmol/L $K_{S4.3}$ $5 - 300$ mg/L $CaCO_3$	Tablet Tablet Tablet Tablet Tablet
282140	MD150 Cl-Br-ClO$_2$-O$_3$-pH	Chlorine (free, total, comb.) Bromine Chlorine dioxide Ozone pH	$0{,}01 - 6$ mg/L Cl_2 $0{,}05 - 13{,}5$ mg/L Br_2 $0{,}02 - 11$ mg/L ClO_2 $0{,}02 - 2$ mg/L O_3 $6{,}5 - 8{,}4$	Tablet Tablet Tablet Tablet Tablet
282150	MD150 Cl-Br-pH-CyA-TA-CaH	Chlorine (free, total, comb.) Bromine pH Cyanuric acid HR Total alkalinity Acid capacity ($K_{S4.3}$) Calcium hardness	$0{,}01 - 6$ mg/L Cl_2 $0{,}05 - 13{,}5$ mg/L Br_2 $6{,}5 - 8{,}4$ $10 - 200$ mg/L CyA $5 - 300$ mg/L $CaCO_3$ $0{,}1 - 4{,}0$ mmol/L $K_{S4.3}$ $5 - 500$ mg/L $CaCO_3$	Tablet Tablet Tablet Tablet Tablet Tablet Tablet

Handbook of Methods –
Available in 10 languages

Further information about our photometers can be found here

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