

Water Testing

Photometer MD150

new

**Excellence
In Photometry**
Designed For You



smart
NFC)))
connection

The new Multi-Parameter Photometer

The Advanced Solution for your Pool Water Analysis!

Meet the MD150, the evolution of the MD50, now designed to provide versatile, multi-parameter testing with the same reliability and ease of use.

Whether you're managing pool conditions or tackling other water treatment needs, the MD150 delivers unmatched precision and efficiency.

MULTI-PARAMETER

Optimized for Pool Water Control

Tailored for pool water analysis, the MD150 helps ensure crystal-clear and safe water by allowing you to measure key pool parameters such as chlorine (free, combined and total), pH, alkalinity, cyanuric acid and calcium hardness. Keep your pool in perfect balance with fast, accurate, and reliable readings that support consistent water quality and safety for swimmers.

Effortless Operation & Precision

Simplified for user-friendliness, the MD150 features an intuitive, icon-driven interface with color-coded backlighting to quickly communicate results and alert you to any potential issues. From chlorine to pH levels, it streamlines water analysis for hassle-free pool maintenance.

Versatility for Other Applications

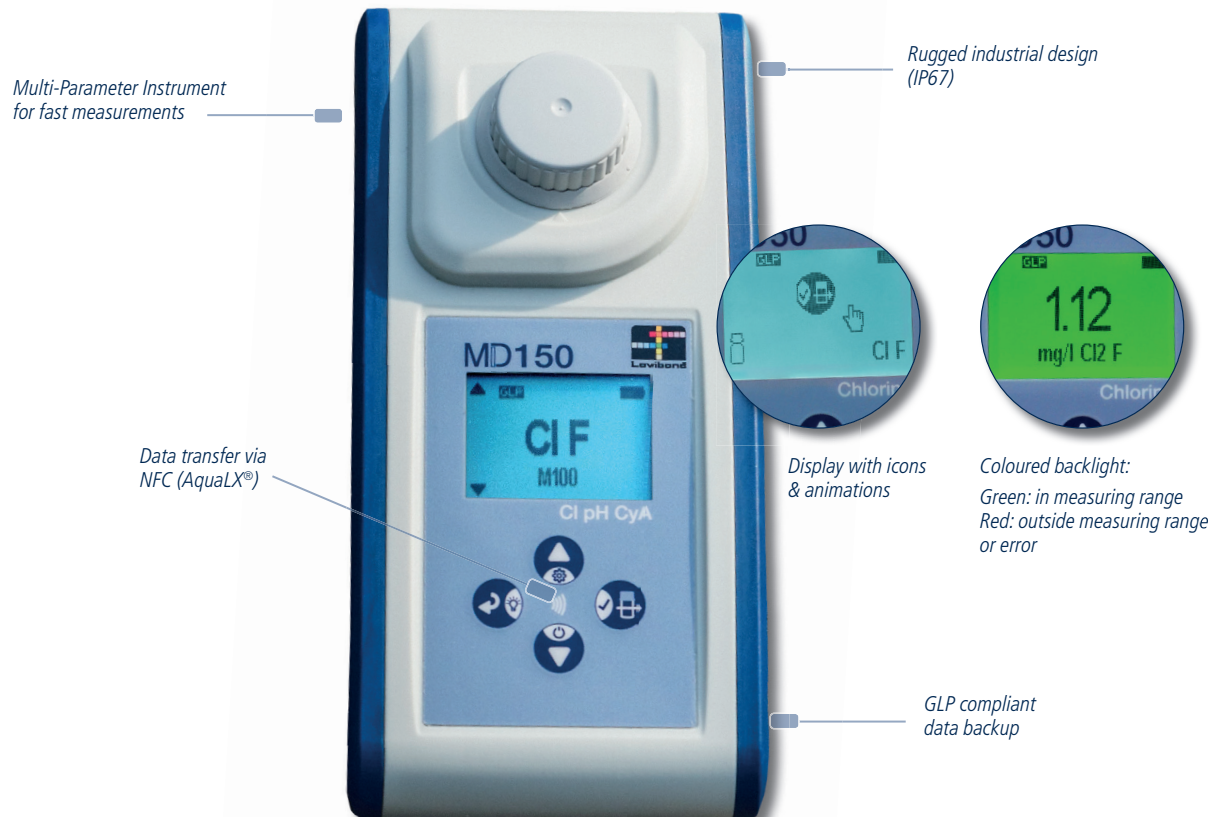
While ideal for pool water, the MD150's capabilities extend to various water treatment applications. However, it works just as reliably and accurately in other water treatment applications such as disinfectant control, analysing drinking water, waste water or industrial water.

Enhanced Efficiency & Flexibility

Thanks to our innovative optics, the MD150 achieves fast, high-precision measurements that minimise testing time. The One-Time-Zero function guarantees fast sampling and saves valuable time in your daily operations. The MD150 also offers the flexibility to use your preferred reagent format – whether tablet, powder or liquid – ensuring compatibility with your established processes.

Durable & Built to Last

Engineered for rugged environments, the MD150's waterproof IP67-rated design and robust construction make it the perfect companion for poolside testing. Powered by 2 AA batteries for up to 5000 measurements, it offers long-lasting performance even in the harshest conditions.



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AquaLX® App



Instant Data Management

Store up to 100 sets of data, ensuring that all records meet GLP standards for integrity and reliability. Keep your data organized with easy transfer options via NFC using the Lovibond® AquaLX® App or choose a wired data transfer through USB-C using the Lovibond® Data Expert Software. Programming options for one user-defined method and easy instrument updateability empower you to customize your testing protocols effortlessly



Waterproof USB-C connection for data export and updates

Standards for photometry

Accurate analysis results are essential not only at the point where water enters the public supply but also throughout various stages in industrial processes and laboratory settings. Adhering to standards, norms, and quality assurance specifications is crucial for achieving precise water analysis. This level of accuracy is attainable only with the right equipment and optimal technical quality. Regular checks using reference, verification, and validation standards are necessary to ensure that both the chosen methods and the measuring devices consistently produce reliable results.



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



Delivery content

- 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

VERSIONS

MD150 Variant	Method	Reagent type	Code (comp. Kit)
MD150 Cl-pH	M100, M101, M103,	Tablets	282100
	M110, M112, M330,	Liquid	282102
	M331	Powder, Tablets	282105
MD150 Cl-CyA-pH	M100, M101, M103,	Tablets	282110
	M110, M112, M330, M331, M161	Liquid, Tablets	282112
MD150 Cl-Cl-HR (KI)-ClO₂	M100, M101, M103, M110, M112, M105, M120, M122	Tablets	282120
MD150 Cl-ClO₂-pH-K_{S4.3}	M100, M101, M103, M110, M112, M120, M122, M330, M331, M20, M30	Tablets	282130
MD150 Cl-Br-ClO₂-O₃-pH	M100, M101, M103, M110, M112, M80, M120, M122, M300, M301, M330, M331	Tablets	282140
MD150 Cl-Br-pH-CyA-TA-Ca	M100, M101, M103, M110, M112, M80, M330, M331, M161, M30, M20, M191	Tablets	282150

Method No.	Parameter	Range
M20	Acid capacity	0,1 – 4,0 mmol/L K _{S4.3}
M30	Alcalinity (total)	5 – 300 mg/L CaCO ₃
M80	Bromine	0,05 – 13,5 mg/L Br ₂
M100	Chlorine (free, total, comb.)	0,02 – 6 mg/L Cl ₂
M101	Chlorine (free, total, comb.)	0,02 – 4 mg/L Cl ₂
M103	Chlorine HR	0,1 – 10 mg/L Cl ₂
M105	Chlorine HR (KI)	5 – 200 mg/L Cl ₂
M110	Chlorine	0,02 – 2 mg/L Cl ₂
M112	Chlorine HR	0,1 – 10 mg/L Cl ₂
M120	Chlorine dioxide	0,04 – 11 mg/L ClO ₂
M122	Chlorine dioxide	0,04 – 3,8 mg/L ClO ₂
M161	Cyanuric acid HR	10 – 200 mg/L CyA
M191	Calcium hardness	5 – 500 mg/L CaCO ₃
M300	Ozone	0,02 – 2 mg/L O ₃
M301	Ozone	0,015 – 1,2 mg/L O ₃
M330	pH	6,5 – 8,4
M331	pH	6,5 – 8,4

Accessories

- 24 mm Round cuvette
Set with 5 Pc. (197629) or 12 Pc. (197620)
- Stirring rod Set 10 Pc. (364130)
- Measuring beaker (384801)
- Plastic funnel with handle, white (471007)
- Cuvette stand (418951)
- USB Cable (19820-081)
- Cleaning cloth (197635)
- Cleaning brush (380230)



Further information about our photometers can be found here



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