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Water Testing

MD150 Pool Photometers



Small Size - Big Features

Multi-Parameter Photometers for Professional Pool & Spa Water Analysis

The MD150 Colorimeter from Lovibond® combines a simple interface with advanced optics to deliver the accurate and reliable results users require. The IP67 field-ready case is supplied with key accessories and reagents.

SMALL SIZE - BIG FEATURES



Multi-Parameter Instrument for fast measurements

Intuitive operation

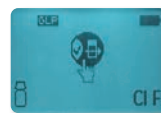
IP67 Rated

Automatic data storage

Data transfer to AqualX® Mobile App



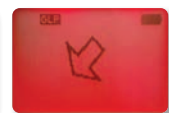
Waterproof USB-C connection for data export & updates



Display with icons & animations



Colored backlight:
Green: in detection limit
Red: outside detection limit or error



Able to measure up to 14 parameters on a single instrument, the MD150 series of portable pool photometers from Lovibond® packs a lot of features into a rugged, hand-held instrument.

Able to perform up to 5,000 tests on a single set of batteries, and housed in a IP67 chemical-resistant case, it is built to perform. But that's not all—sharing measurement data has never been simpler. Whether you prefer USB-C connectivity or the convenience of wireless technology with the AqualX® app, the MD150 series provides seamless options to fit your workflow.

Why Lovibond?

At Lovibond, we look out for the little things that make a big difference. Making colorimetric analysis simple and accurate is at the core of what we do - and has been since Joseph Lovibond created the world's first colorimeter in 1885.

Leveraging 140 years of experience, our team of experts work to anticipate and solve operators' struggles with routine measurements - and delivered a world-class instrument, simplistic in operation and unmatched in accuracy.

- Advanced optical system reduces time to less than three seconds to take a measurement.
- Rubberized side panels increase the durability of the instrument.
- Automatically stores the last 100 readings with time and date stamps. Results remain in storage even during battery exchange.
- Pre-programmed methods utilize Lovibond® reagents, including tablet, liquid, and powder options.
- Create a user-defined method with the use of Lovibond's Data Expert Software.
- Advanced data transfer options.



Advanced Data Management

Store up to 100 sets of data, ensuring that all records meet standards for integrity and reliability. Keep your data organized with easy export from the field using the Lovibond AquaLX App combined with “tap to transfer” technology. 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.

AquaLX® App



Delivery content

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

- MD150
- 2 x AA Batteries
- Screwdriver
- 3 x Stirring 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



Accessories

Item	Part Number
Sample Cells, pack of 12 24 mm with lids + light shielding rings	197620
Sample Cells, pack of 5 24 mm with lids + light shielding rings	197629

Item	Part Number
Cuvette stand for 6 round cuvettes Ø 24 mm	418951
Cleaning cloth	197635
Light-Shielding Rings, Pack of 12 for round vials 24 mm ø	197626
USB-C cable, 1 M USB-C to A	19820-081
Brush, 10 CM	380230
Water Sampler, 250 ml with bottle and lid	170500
Verification Standard Kit	215700



Results you Can Trust

MD150 colorimeters are supplied pre-programmed with parameters for optimizing pool and spa water quality. The advanced optical system delivers exceptional accuracy and speed, ensuring precise readings in record time.

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MD150 Variant Order Code Kit	Description	Parameter	Measuring Range	Reagent form included
282100	MD150 Cl-pH Set-1	Chlorine (free, total, comb.)	0.02 - 6 mg/L Cl ₂	Tablet
282102	MD150 Cl-pH Set-2	pH	6.5 - 8.4 pH	Liquid
282105	MD150 Cl-pH Set-3			Powder / Tablet
282110	MD150 Cl-pH-CyA Set-1	Chlorine (free, total, comb.)	0.02 - 6 mg/L Cl ₂	Tablet
282112	MD150 Cl-pH-CyA Set-2	pH	6.5 - 8.4 pH	Liquid / Tablet
		Cyanuric acid HR	10 - 200 mg/L CyA	
282120	MD150 Cl LR/HR-ClO ₂	Chlorine (free, total, comb.)	0.02 - 6 mg/L Cl ₂	Tablet
		Chlorine HR(KI)	5 - 200 mg/L Cl ₂	Tablet
		Chlorine dioxide	0.02 - 11 mg/L ClO ₂	Tablet
282130	MD150 Cl-ClO ₂ -pH-K _{s4.3}	Chlorine (free, total, comb.)	0.02 - 6 mg/L Cl ₂	Tablet
		Chlorine dioxide	0.02 - 11 mg/L ClO ₂	Tablet
		pH	6.5 - 8.4 pH	Tablet
		Acid capacity (K _{s4.3})	0.1 - 4.0 mmol/L K _{s4.3}	Tablet
		Total alkalinity	5 - 300 mg/L CaCO ₃	Tablet
282140	MD150 Cl-Br-ClO ₂ -O ₃ -pH	Chlorine (free, total, comb.)	0.02 - 6 mg/L Cl ₂	Tablet
		Bromine	0.05 - 13.5 mg/L Br ₂	Tablet
		Chlorine dioxide	0.02 - 11 mg/L ClO ₂	Tablet
		Ozone	0.02 - 2 mg/L O ₃	Tablet
		pH	6.5 - 8.4 pH	Tablet
282150	MD150 Cl-Br-pH-CyA-TA-CaH	Chlorine (free, total, comb.)	0.02 - 6 mg/L Cl ₂	Tablet
		Bromine	0.05 - 13.5 mg/L Br ₂	Tablet
		pH	6.5 - 8.4 pH	Tablet
		Cyanuric acid HR	10 - 200 mg/L CyA	Tablet
		Total alkalinity	5 - 300 mg/L CaCO ₃	Tablet
		Acid capacity (K _{s4.3})	0.1 - 4.0 mmol/L K _{s4.3}	Tablet
		Calcium hardness	20 - 500 mg/L CaCO ₃	Tablet
282250	MD150 AquaPRO6	Chlorine (free, total, comb.)	0.02 - 6 mg/L Cl ₂	Tablet
			0.1 - 10 mg/L Cl ₂	Tablet
		Bromine	0.2 - 20 mg/L Br	Tablet
		pH	6.5 - 8.4 pH	Tablet
		Cyanuric acid HR	10 - 200 mg/L CyA	Tablet
		Total alkalinity	5 - 300 mg/L CaCO ₃	Tablet
		Calcium hardness	20 - 500 mg/L CaCO ₃	
282251	MD150 AquaPRO14	Chlorine (free, total, combined)	0.02 - 6 mg/L Cl ₂	Reagents not included; all methods utilize tablet chemistries.
			0.1 - 10 mg/L Cl ₂	
		Bromine	0.5 - 13.5 mg/L Br	
		pH	6.5 - 8.4 pH	
			8.0 - 9.6 pH	
		Cyanuric Acid HR	10 - 200 mg/L CyA	
		Total Alkalinity	5 - 300 mg/L CaCO ₃	
		Calcium Hardness	20 - 500 mg/L CaCO ₃	
		Total Hardness	20 - 500 mg/L CaCO ₃	
		Aluminum	0.1 - 0.3 Al	
		Ammonia	0.05 - 1.0 N	
		Copper	0.05 - 5.0 Cu	
		Iron	0.02 - 1.0 Fe	
		Phosphate	0.05 - 4.0 PO ₄	

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