

# Lovibond® Water Testing Tintometer® Group



## MD50 Ureum

Precise water control with proven and compact measuring system



- High-precision optics to ensure accuracy and reproducibility
- Wired and wireless data transfer option
- Multiple single parameter variants for diverse applications

BestelNr.: 280160

The MD50 has several key features that make it a favorite among users.

### **Robust Design**

The MD50 is built to last. Its rugged industrial design, complete with rubber-protected sides and an IP67 rating, ensures unmatched durability and reliability even in demanding environments.

### **Accurate, Reproducible Results**

The innovative optical system of the MD50 delivers exceptional accuracy and speed, ensuring precise readings in record time.

### **Factory Programmed Methods**

All MD50 instruments come with pre-programmed methods for different types of reagents. Simply select the test you need, prepare your sample, and test! To simplify test selection, you can choose the reagent type from the settings and display only your desired methods in the methods list.

### **User Calibration and User defined Method**

A one-point calibration is possible with the MD50. The instrument automatically saves the calibration protocol in the logs along with the calibration factor. All user-calibrated methods are displayed with a calibration icon on the screen. Can't find the method you need? The MD50 also allows you to program a user-defined method using PC software.

### **One-Time-Zero Function**

Save time by zeroing the instrument once for each sample. When testing a new sample, zero the instrument once and all subsequent tests of that sample do not require re-zeroing. You can also activate or deactivate the OTZ function for all methods in the settings.

### **Automatic Data Storage**

The MD50 automatically stores the last 100 readings and protocols with a time and date stamp. Results remain in storage even during a battery exchange.

### **Data Transfer**

The MD50 offers smooth and effortless data transfer. You can transfer data to the AquaLX® app via NFC or use a USB cable to transfer

data to PC software. Data can also be exported in CSV format for programs like Excel.

### **Ergonomic Design**

Whether you're using the MD50 in the field or in the lab, its design makes it easy to handle and view the display. In the field, the compact size and side protections ensure a firm grip during use. In the lab, rubber feet on the bottom of the housing eliminate the need for two-handed operation or chasing your instrument around the workbench.

### **GLP Compliance**

To ensure data quality and integrity, the MD50 creates and saves a protocol for each change made during operation.

### **2-year Warranty**

## Industrie

Gemeenten | Openbaar zwembad | Overige industrieën | Scheepvaart | Zwembadservice

## Applikation

Controle zwembadwater

## MD50 Ureum

The MD50 series offers a comprehensive range of single parameter photometers that meet the most diverse needs of water treatment. With its language-free user interface based on icons and animations, it offers unparalleled ease of use. The robust design of the MD50 ensures that the instrument can withstand the toughest conditions in the field.

## Meetbereik

Test Name	Meetbereik	Chemische methode
Ureum T	0.1 - 2.5 mg/L Urea	Indofenol / Urease
Ureum T	0.2 - 5 mg/L Urea <sup>9)</sup>	Indofenol / Urease

## Technische gegevens

<b>Optiek</b>	LED, spectrometersensor, interferentiefilter (alleen geselecteerde varianten)
<b>Lichtbron</b>	LED
<b>Wellenlänge</b>	680
<b>Fotometrisch bereik</b>	0 - 3 Abs
<b>Geschikte cuvetten</b>	Ronde cuvetten 24 mm
<b>Display</b>	Lcd met achtergrondverlichting
<b>Interfaces</b>	USB-C NFC (Near Field Communication)
<b>Data transfer formaat</b>	.csv
<b>Bediening</b>	Folietoetsenbord
<b>Auto – OFF</b>	Ja
<b>Programmeerbaarheid</b>	ja met pc-software
<b>IJking</b>	Fabrieks- en gebruikersafstelling - terugkeer naar fabrieksafstelling op elk moment mogelijk
<b>Updates</b>	Firmware en methoden bijwerken
<b>intern geheugen</b>	Внутренняя кольцевая память на 100 записей данных
<b>Levensduur batterij</b>	ca. 5000 metingen (zonder achtergrondverlichting)
<b>Draagbaarheid</b>	Draagbaar
<b>Mate van vervuiling</b>	2
<b>Maximale hoogte boven zeeniveau</b>	3500 m
<b>Bedrijfsomstandigheden</b>	5 - 50 °C при относительной влажности 30 - 95 % (без конденсации)
<b>Beschermingsklasse</b>	IP 67
<b>Compliance</b>	CE
<b>Talen gebruiksaanwijzing</b>	Duits, Engels, Frans, Spaans, Italiaans, Portugees, Chinees, Nederlands
<b>Afmetingen</b>	155 x 76 x 45 mm

## Leveromvang

- 1 Instrument in Carrying case
- 2 batteries (AA)
- 3 round cuvettes (glass) with lid and Sealing rings
- 1 Screwdriver
- 3 Stirring rods
- 1 Syringe 10 mL
- 1 Cleaning brush
- 1 USB-C to USB-A cable
- 1 Instruction manual
- 1 Certificate (COC)
- 1 Warranty information

Omschrijving	Bestelnr.
Monsterverzamelaar met 250 mL fles en deksel, AF 631	170500
Ronde cuvetten met deksel Ø 24 mm, hoogte 48 mm, 10 ml, set van 12	197620
Cuvetafdichting voor ronde cuvetten 24 mm, 12 set	197626
Ronde cuvetten met deksel Ø 24 mm, hoogte 48 mm, 10 ml, set van 5	197629
Reinigingsdoek	197635
Mengcilinder met stop noodzakelijk voor het bepalen van molybdeen LR met MD 100 (276140)	19802650
Servicepakket met vaste prijs voor MD50	19802710
Service plan - 3 jaar voor MD50	19802810
USB-C cable 1 m, USB-C to A	19820-081
Kunststof roerstaafje, 13 cm lang	364100
Kunststof roerstaafje, 10 cm lang	364109
Kunststof roerstaaf, 13 cm lang, set van 10	364120
Kunststof roerstaaf, 10 cm lang, set van 10	364130
250 mL flesje, AF 631	375072
Borstel, 11 cm lang	380230
Maatbeker, 100 ml	384801
Cuvethouder voor 6 ronde cuvetten ø 24 mm	418951
Kunststof trechter met handvat	471007
Fabriekskalibratiecertificaat ISO 9001 voor methode CI M100 (MD50)	999720
Fabriekskalibratiecertificaat ISO 9001 voor methode CI M110 (MD50)	999721
Fabriekskalibratiecertificaat ISO 9001 voor MD50	999756

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