

# Lovibond® Water Testing Tintometer® Group



## MD50 Hazen/A.P.H.A.

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

货号: 280180

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**

## 行业

NGO | 其他行业 | 化工行业 | 医药行业 | 市政 | 油气 | 海洋工业 | 食品和饮料行业

## 应用

原水处理 | 污水处理 | 饮用水处理

## MD50 Hazen/A.P.H.A.

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.

## 测量范围

Test Name	测量范围	化学方法
Hazen色度单位 24	10 - 500 mg/L Pt	(APHA) 铂钴标准法

## Technical Data

光学性质	LED、光谱仪传感器、干扰滤波器 (仅限特定型号)
光源	LED
波长	445
光度范围	0 - 3 Abs
适用比色皿	比色管 24 mm
显示	背光 LCD
数据接口	USB-C NFC (Near Field Communication)
导出数据格式	.csv
操作	薄膜键盘
Auto - OFF	是
可编程性	可使用 PC 软件
校准	出厂调整和用户调整 - 可随时返回出厂调整
更新	固件和方法更新
内置存储器	内部环形存储器可存储 100 条数据记录
电池寿命	约 5000 次测量 (不带背光)
便携性	手提
污染程度	2
最高海拔高度	3500 m
环境条件	5 - 50 °C, 相对湿度 30 - 95 % (无冷凝)
保护等级	IP 67
一致性	CE
多语言用户操作手册	德文, 英文, 法文, 西班牙, 意大利, 葡萄牙, 中文, 荷兰语
尺寸	155 x 76 x 45 mm

## 标准配置文本

- 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

标题	货号
样本收集器, 250 mL 瓶和盖, AF 631	170500
带盖的圆形比色杯 Ø24mm, 高 48 mm, 10 ml, 12 件套	197620
用于 24 mm 圆形比色杯的比色杯密封圈, 12 件套	197626
圆形比色杯, 盖子直径 Ø 24 mm, 高 48 mm, 10 ml, 5 件套	197629
清洁布	197635
带塞混合缸, 必要附件, 用于利用 MD 100 测定铝 LR (276140)	19802650
USB-C 电缆 1 米, USB-C 到 A	19820-081
塑料搅拌棒, 长 13 cm	364100
塑料搅拌棒, 长 10 cm	364109
塑料搅拌棒, 长 13 cm, 10 件套	364120
塑料搅拌棒, 长 10 cm, 10 件套	364130
250 mL 瓶子, AF 631	375072
刷子, 长 11 cm	380230
量杯, 100 ml	384801
试样瓶支架, 用于 6 个 Ø 24 mm 圆形试样瓶	418951
带把手的塑料漏斗	471007
方法 CI M100 (MD50) 的 ISO 9001 工厂校准证书	999720
方法 CI M110 (MD50) 的 ISO 9001 工厂校准证书	999721
MD50 的 ISO 9001 工厂校准证书	999756

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