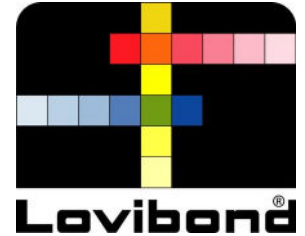# Lovibond® Water Testing

Tintometer® Group

MD50 Chlorine Tablet

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

Part Number: 280100

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

Industry

Chemical Industry | Food and Beverage Industry | Industries Others | Marine Industry | Municipalities | NGO | Oil and Gas | Pharmaceutical Industry | Pool Domestic | Pool Public | Pool Services | Power and Energy

Application

Boiler Water | Cooling Water | Disinfection Control | Drinking Water Treatment | Pool Water Control | Raw Water Treatment | Waste Water Treatment

MD50 Chlorine Tablet

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.

Measuring Range

Test Name	Measuring Range	Chemical Method
Chlorine HR T	0.1 - 10 mg/L Cl_2 [a]	DPD
Chlorine L	0.02 - 4.0 mg/L Cl_2 [a]	DPD
Chlorine PP	0.02 - 2 mg/L Cl_2 [a]	DPD
Chlorine T	0.01 - 6.0 mg/L Cl_2 [a]	DPD

Technical Data

Optics	LED, spectrometer sensor, interference filter (selected variants only)
Light Source	LED
Wavelength	530
Photometric Range	0 - 3 Abs
Suitable Vials	Round Cuvettes 24 mm
Display	Backlit LCD
Interfaces	USB-C NFC (Near Field Communication)
Data Transfer Format	.csv
Operation	Foil keypad
Calibration	Factory and user adjustment - return to factory adjustment possible at any time
Updates	Firmware and methods update
Internal Storage	Internal ring memory for 100 data records
Battery Life Time	approx. 5000 measurements (without backlight)
Portability	Portable
Degree of Pollution	2
Maximum altitude above sea level	3500 m
Compliance	CE
Languages Full User Manual	German, English, French, Spanish, Italian, Portuguese, Chinese, Dutch
Dimensions	6.1 x 2.99 x 1.77"

Delivery Scope

- 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

Title	Part Number
Water sampler with bottle 250 mL and lid, AF 631	170500
Round cuvette 24 mm ø, set of 12	197620
Sealing ring for round vials 24 mm ø, set of 12	197626
Round cuvette 24 mm ø, set of 5	197629
Cleaning cloth	197635
Mixing cylinder, 25 ml	19802650
USB-C cable 1 m, USB-C to A	19820-081
Stirring rod, 13 cm length	364100
Stirring rod, 10 cm length	364109
Stirring rod, 13 cm length, set of 10	364120
Stirring rod, 10 cm length, set of 10	364130
250 mL bottle, AF 631	375072
Brush, 11 cm length	380230
Measuring beaker, 100ml	384801
Cuvette stand for 6 round cuvettes Ø 24 mm	418951
Plastic funnel with handle (white)	471007
ValidCheck Chlorine 1,5 mg/l	48105510