

Lovibond® Water Testing Tintometer® Group



MD50 Molybdaat, poederreagentia

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.: 280195

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

Chemische industrie | Energieleveranciers | Farmaceutische industrie | Gemeenten | Ngo | Olie-industrie | Overige industrieën | Scheepvaart | Voedingsmiddelen- en drankenindustrie

Applikation

Ketelwater | Koelwater

MD50 Molybdaat, poederreagentia

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
Molybdaat HR PP	0.3 - 40 mg/L Mo	Mercaptoazijnzuur
Molybdaat LR PP	0.03 - 3 mg/L Mo	Ternair Complex
Molybdaat T	1 - 50 mg/L MoO ₄	Thioglycoleren

Technische gegevens

Optiek	LED, spectrometersensor, interferentiefilter (alleen geselecteerde varianten)
Lichtbron	LED
Wellenlänge	445, 630
Fotometrisch bereik	0 - 3 Abs
Geschikte cuvetten	Ronde cuvetten 24 mm
Display	Lcd met achtergrondverlichting
Interfaces	USB-C NFC (Near Field Communication)
Data transfer formaat	.csv
Bediening	Folietoetsenbord
Auto – OFF	Ja
Programmeerbaarheid	ja met pc-software
IJking	Fabrieks- en gebruikersafstelling - terugkeer naar fabrieksafstelling op elk moment mogelijk
Updates	Firmware en methoden bijwerken
intern geheugen	Внутренняя кольцевая память на 100 записей данных
Levensduur batterij	ca. 5000 metingen (zonder achtergrondverlichting)
Draagbaarheid	Draagbaar
Mate van vervuiling	2
Maximale hoogte boven zeeniveau	3500 m
Bedrijfsomstandigheden	5 - 50 °C при относительной влажности 30 - 95 % (без конденсации)
Beschermingsklasse	IP 67
Compliance	CE
Talen gebruiksaanwijzing	Duits, Engels, Frans, Spaans, Italiaans, Portugees, Chinees, Nederlands
Afmetingen	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

Tintometer GmbH

Lovibond® Water Testing
Schleefstraße 8-12
44287 Dortmund
Tel.: +49 (0)231/94510-0
sales@lovibond.com
www.lovibond.com
Duitsland

The Tintometer Limited

Lovibond House
Sun Rise Way
Amesbury, SP4 7GR
Tel.: +44 (0)1980 664800
Fax: +44 (0)1980 625412
sales@lovibond.uk
www.lovibond.com
Verenigd Koninkrijk

Tintometer China

9F, SOHO II C.
No.9 Guanghualu,
Chaoyang District,
Beijing, 100020
Customer Care China Tel.: 4009021628
Tel.: +86 10 85251111 Ext. 330
Fax: +86 10 85251001
chinaoffice@tintometer.com
www.lovibond.com
China

Tintometer South East Asia

Unit B-3-12, BBT One Boulevard,
Lebuh Nilam 2, Bandar Bukit Tinggi,
Klang, 41200, Selangor D.E
Tel.: +60 (0)3 3325 2285/6
Fax: +60 (0)3 3325 2287
lovibond.asia@tintometer.com
www.lovibond.com
Maleisië

Tintometer Brazil

Caixa Postal: 271
CEP: 13201-970
Jundiaí – SP
Tel.: +55 (11) 3230-6410
sales@lovibond.us
www.lovibond.com.br
Brazilië

Tintometer Inc.

6456 Parkland Drive
Sarasota, FL 34243
Tel: 941.756.6410
Fax: 941.727.9654
sales@lovibond.us
www.lovibond.us
Verenigde Staten

Tintometer India Pvt. Ltd.

Door No: 7-2-C-14, 2nd, 3rd & 4th Floor
Sanathnagar Industrial Estate,
Hyderabad, 500018
Telangana
Tel: +91 (0) 40 23883300
Toll Free: 1 800 599 3891/ 3892
indiaoffice@lovibond.in
www.lovibondwater.in
India

Tintometer Spain

Postbox: 24047
08080 Barcelona
Tel.: +34 661 606 770
sales@tintometer.es
www.lovibond.com
Spanje