

Lovibond® Water Testing Tintometer® Group



MD 50 Molibdato, tabletas de reactivo

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

Referencia No: 280190

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

Industria

Energía | Gas y petróleo | Industria alimentaria |
Industria farmacéutica | Industria naval | Industria química |
Municipios | ONG | Otras industrias

Aplicaciones

Agua de caldera | Agua de refrigeración

MD 50 Molibdato, tabletas de reactivo

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.

Rango de medición

Test Name	Rango de medición	Método químico
Molibdato HR PP	0.3 - 40 mg/L Mo	Mercapto-ácido acético
Molibdato LR PP	0.03 - 3 mg/L Mo	Complejo Ternario
Molibdato T	1 - 50 mg/L MoO ₄	Tioglicolato

Datos técnicos

Óptica	LED, sensor espectrómetro, filtro de interferencias (sólo variantes seleccionadas)
Fuente luminosa	LED
Longitud de onda	445, 630
Rango fotométrico	0 - 3 Abs
Cubetas adecuadas	Cubetas redondas 24 mm
Display	LCD con retroiluminación
Interfaces	USB-C NFC (Near Field Communication)
Formato transmisión de datos	.csv
Manejo	Teclado de membrana
Calibración	Ajuste de fábrica y por el usuario - posibilidad de volver al ajuste de fábrica en cualquier momento
Actualizaciones	Actualización de firmware y métodos
Almacenamiento interno	Memoria anular interna para 100 registros de datos
Vida de la batería	aprox. 5000 mediciones (sin retroiluminación)
Portabilidad	Portátil
Grado de contaminación	2
Altitud máxima sobre el nivel del mar	3500 m
Conformidad	CE
Idiomas Manual de usuario completo	Alemán, Inglés, Francés, Español, Italiano, Portugués, Chino, Holandés
Medidas	155 x 76 x 45 mm

Volumen de suministro

- 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

Título	Referencia No
Dispositivo de toma de muestras con frasco de 250 mL y tapa, AF 631	170500
Cubeta redonda con tapa Ø 24 mm, altura 48 mm, 10 ml, juego de 12	197620
Anillo de obturación para cubeta redonda 24 mm, juego de 12	197626
Cubeta redonda con tapa Ø 24 mm, altura 48 mm, 10 ml, juego de 5	197629
Paño de limpieza	197635
Cilindro de mezcla con tapón, accesorio necesario para la determinación de molibdeno LR con MD 100 (276140)	19802650
Cable USB-C de 1 m, USB-C a A	19820-081
Varilla agitadora de plástico, 13 cm longitud	364100
Varilla agitadora de plástico, 10 cm longitud	364109
Varilla agitadora de plástico, 13 cm longitud, juego de 10	364120
Varilla agitadora de plástico, 10 cm longitud, juego de 10	364130
Frasco de 250 mL, AF 631	375072
Cepillo, 11 cm longitud	380230
Vaso medidor, 100ml	384801
Soporte para cubetas para 6 cubetas redondas Ø 24 mm	418951
Embudo de plástico con asa	471007

Tintometer GmbH

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

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
Reino Unido

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
Malasia

Tintometer Brazil

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

Tintometer Inc.

6456 Parkland Drive
Sarasota, FL 34243
Tel: 941.756.6410
Fax: 941.727.9654
sales@lovibond.us
www.lovibond.us
Estados Unidos de América

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
España