

Lovibond® Water Testing Tintometer® Group



MD50 cloro HR (yoduro de potasio)

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: 280140

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

Gas y petróleo | Industria alimentaria | Industria farmacéutica | Industria naval | Industria química | Municipios | ONG | Otras industrias | Piscina pública | Servicios para piscinas

Aplicaciones

Agua de caldera | Agua de refrigeración | Control de desinfección | Tratamiento de aguas de aporte | Tratamiento de aguas residuales

MD50 cloro HR (yoduro de potasio)

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 |
|----------------------|------------------------------|-------------------|
| Cloro HR (KI) T | 5 - 200 mg/L Cl ₂ | KI / ácido |
| Hipoclorito sódico T | 0.2 - 16 % NaOCl | Yoduro de potasio |

Datos técnicos

| | |
|---------------------------------------|--|
| Óptica | LED, sensor espectrómetro, filtro de interferencias (sólo variantes seleccionadas) |
| Fuente luminosa | LED |
| Longitud de onda | 530 |
| 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 |
| Auto – OFF | Sí |
| Programabilidad | sí con software para PC |
| 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 |
| Condiciones ambientales | 5 - 50 °C a una humedad relativa del 30 - 95 % (sin condensación) |
| Clase de protección | IP 67 |
| 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 |
| Paquete de servicios a precio fijo para MD50 | 19802710 |
| Plan de mantenimiento - 3 años para MD50 | 19802810 |
| 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, 100 ml | 384801 |
| Soporte para cubetas para 6 cubetas redondas Ø 24 mm | 418951 |
| Embudo de plástico con asa | 471007 |
| Certificado de calibración de fábrica ISO 9001 para el método CI M100 (MD50) | 999720 |
| Certificado de calibración de fábrica ISO 9001 para el método CI M110 (MD50) | 999721 |
| Certificado de calibración de fábrica ISO 9001 para el MD50 | 999756 |

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