

Lovibond® Water Testing Tintometer® Group



MD50 Molybdate, poudres de réactif et réactifs liquides

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

Code: 280191

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

Autres industries | Industrie agroalimentaire et boissons | Industrie chimique | Industrie maritime | Industrie pharmaceutique | Municipalités | NGO | Pétrole et gaz | Secteur énergétique

Applications

Eau de chaudière | Eau de refroidissement

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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.

Gamme de mesure

Test Name	Gamme de mesure	Méthode chimique
Molybdate HR PP	0.3 - 40 mg/L Mo	Acide mercaptoacétique
Molybdate LR PP	0.03 - 3 mg/L Mo	Ternary Complex
Molybdate T	1 - 50 mg/L MoO ₄	Thioglycolate

Fiche technique

Optique	LED, capteur spectrométrique, filtre interférentiel (variantes sélectionnées uniquement)
Source lumineuse	LED
Longueurs d'onde	445, 630
Plage photométrique	0 - 3 Abs
Flacons adaptés	Cuvettes rondes 24 mm
Display	Écran LCD rétroéclairé
Interfaces	USB-C NFC (Near Field Communication)
Format de transfert des données	.csv
Fonctionnement	Clavier à membrane
Étalonnage	Ajustement de la fabrication et de l'utilisateur - retour à l'ajustement de la fabrication possible à tout moment
Mises à jour	Mise à jour du firmware et des méthodes
Stockage interne	mémoire circulaire interne pour 100 enregistrements
Durée de vie batterie	env. 5000 mesures (sans rétro-éclairage)
Portabilité	Portable
Degré de pollution	2
Altitude maximale au-dessus du niveau de la mer	3500 m
Conformité	CE
Langues Manuel d'utilisateur complet	Allemand, Anglais, Français, Espagnol, Italien, Portugais, Chinois, Néerlandais
Dimensions	155 x 76 x 45 mm

Contenu de livraison

- 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

Titre	Code
Récipient collecteur d'échantillons pour flacon de 250 mL et couvercle, AF 631	170500
Cuve ronde avec couvercle Ø 24 mm, hauteur 48 mm, 10 ml, lot de 12	197620
Joint pour cuves rondes 24 mm, lot de 12	197626
Cuve ronde avec couvercle Ø 24 mm, hauteur 48 mm, 10 ml, lot de 5	197629
Chiffon de nettoyage	197635
Tube gradué à bouchon, accessoires nécessaires à déterminer le molybdène LR avec MD 100 (276140)	19802650
Câble USB-C 1 m, USB-C vers A	19820-081
Agitateur en plastique, longueur 13 cm	364100
Agitateur en plastique, longueur 10 cm	364109
Agitateur en plastique, longueur 13 cm, lot de 10	364120
Agitateur en plastique, longueur 10 cm, lot de 10	364130
Flacon de 250 mL, AF 631	375072
Brosse, longueur 11 cm	380230
Gobelet de mesure, 100ml	384801
Porte-cuves pour 6 cuves rondes Ø 24 mm	418951
Entonnoir en plastique avec anse	471007

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