

# LABORHITS

## Photometer MD50 in a Case

smart  
**NFC**   
connection



Fig.: Cuvette holder optionally available; reagents depending on variant

### Features

- Robust, ergonomic design with rubber-protected sides for a firm grip
- Display with coloured backlight shows the status of results and errors
- Language-free user interface with icons and animations
- Accurate and reproducible results
- One-point calibration
- Programming option for one customised method
- NFC data transmission
- USB-C connection (waterproof)
- Automatic storage of the last 100 readings and protocols with time and date stamp
- GLP compliant data backup

Single-parameter photometer for analysing various parameters in water treatment. The device contains pre-programmed methods for different types of reagents. With the One-Time-Zero function, the device only needs to be zeroed once per sample. Data can be easily transferred to the AquaLX® app via NFC or to the Lovibond® Data Expert PC software using a USB cable.

### Specifications:

**Dimensions (W x D x H):** 76 x 155 x 45 mm  
**Permitted ambient temperature:** 5 ... 50 °C  
**Max. relative humidity rate:** 95 %  
**Battery/rechargeable battery:** 2 x AA  
**IP code:** IP 67

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### Scope of supply:

Photometer, 3 x 24 mm round glass cuvettes with lid and sealing ring, screwdriver, 3 x stirring rods, 10 ml syringe, cleaning brush, USB-C to USB-A cable, carrying case, 2 x AA batteries, operating instructions, reagents (depending on variant)

Type	Description	Measuring range	PK	Cat. No.
MD50	Chlorine, tablet reagents	0,02 ... 6 mg/l Cl <sub>2</sub>	1	4.700 095
MD50	Chlorine, liquid reagents	0,02 ... 4 mg/l Cl <sub>2</sub>	1	4.700 096
MD50	Chlorine, powder reagents	0,1 ... 10 mg/l Cl <sub>2</sub> HR 0,02 ... 2 mg/l Cl <sub>2</sub> PP	1	4.700 097
MD50	Chlorine dioxide, tablet reagents	0,02 ... 11 mg/l ClO <sub>2</sub>	1	4.700 098
MD50	Chlorine dioxide, powder reagents	0,04 ... 3,8 mg/l ClO <sub>2</sub>	1	4.700 099
MD50	Ozone, tablet reagents	0,02 ... 2 mg/l O <sub>3</sub>	1	4.700 100
MD50	Ozone, powder reagents	0,015 ... 1,2 mg/l O <sub>3</sub>	1	4.700 101
MD50	Chlorine HR, Hypochlorite, tablet reagents	5 ... 200 mg/l Cl <sub>2</sub> 0,2 ... 16 % NaOCl	1	4.700 102
MD50	Monochloramine, powder reagents and liquid reagents	0,02 ... 4,5 mg/l Cl <sub>2</sub>	1	4.700 103
MD50	Urea, liquid reagents	0,1 ... 2,5 mg/l CH <sub>4</sub> N <sub>2</sub> O 0,2 ... 5 mg/l CH <sub>4</sub> N <sub>2</sub> O	1	4.700 104
MD50	Molybdenum, powder reagents and liquid reagents	0,03 ... 3 mg/l Mo	1	4.700 107
MD50	Molybdenum, tablet reagents	0,6 ... 30 mg/l Mo	1	4.700 108
MD50	Molybdenum, powder reagents	0,3 ... 40 mg/l Mo	1	4.700 109
MD50	Copper, tablet reagents	0,05 ... 5 mg/l Cu	1	4.700 110
MD50	Copper, powder reagents	0,05 ... 5 mg/l Cu	1	4.700 111
MD50	Phosphate, tablet reagents	0,05 ... 4 mg/L PO <sub>4</sub>	1	4.700 112
MD50	Phosphate, powder reagents	0,06 ... 2,5 mg/L PO <sub>4</sub>	1	4.700 113