



## PROMPT – Tintometer Information 3/2010

# MD 100 Photometer

## Precise Water Analysis in High-Quality Design

Small | Mobile | Rapid

The MD 100 uses high quality interference filters with long-life LEDs as a light source without any moving parts in a transparency sample chamber.

The units supply accurate, reproducible results very quickly. Other major advantages include ease of operation, ergonomic design, compact dimensions and safe handling.

The calibration and software-based adjustment options mean that the MD 100 is also suitable for use as a testing instrument.

The tests are conducted using either Lovibond® tablet reagents with long-term stability and a guaranteed minimum 5 or 10 year shelf life, VARIO powder reagents or using liquid reagents.

### Scroll Memory (SM)

To avoid unnecessary scrolling for the required test method, the instrument memorizes the last method used before switching off the instrument. When the instrument is switched on again, the scroll list comes up with the last used test method first.

### Zero Setting (OTZ)

For certain versions of the instrument it is not necessary to zero the instrument each time. The zero setting is held in memory (One Time Zero - OTZ). The zero setting can be confirmed whenever it is useful.

➔ For detailed information about different units, ranges, reagents and accessories see our actual catalogue or [www.tintometer.com](http://www.tintometer.com)



### Technical Data

<b>Optics</b>	LEDs, interference filters (IF) and photo sensor in transparent sample chamber. Depending on the version, up to 3 different interference filters are used.
<b>Wavelength Accuracy</b>	± 1 nm
<b>Photometric Accuracy<sup>4)</sup></b>	3% FS (T = 20°C – 25°C)
<b>Photometric Resolution</b>	0.01 A
<b>Power Supply</b>	4 micro batteries (AAA), capacity approx. 17 hours or 5000 tests
<b>Auto - OFF</b>	automatic switch-off
<b>Display</b>	backlit LCD (on keypress)
<b>Storage</b>	internal ring memory for 16 data sets
<b>Interfaces</b>	Infrared interface for test data transfer
<b>Additional feature</b>	real time clock and date
<b>Calibration</b>	factory calibration and user calibration. Reset to factory calibration possible
<b>Dimensions</b>	155 x 75 x 35 mm (L x W x H)
<b>Weight</b>	basic unit approx. 260 g
<b>CE-Conformity</b>	

<sup>4)</sup> tested with standard solutions



## PD 250 Powder Dispenser

**NEW**



### Precise and repeatable dosing of Powder Reagents

The PD250 is designed for easy and controlled dosage of DPD powder reagents. One click gives the exact amount of reagent required for a 10 ml sample. The PD 250 is the perfect alternative to the Powder Packs for those carrying out a number of tests, saving time while also reducing the amount of packaging waste.

The reagent is supplied in sealed glass vials, sufficient for up to 250 tests. The protective sealing enables a shelf life of up to 5 years although, once the vial has been opened, the contents should be used within 6 months. The vials can be changed quickly and easily. Furthermore, the dispenser can be thoroughly cleaned and the ergonomic design allows for comfort during operation.

#### PD 250 Set 1 - Free Chlorine

- 1 powder dispenser „Free Chlorine“
- 1 reagent vial „Free Chlorine“
- 1 instruction manual
- 1 protective sleeve (rubber)

**Order code: 19 49 00**

#### PD 250 Set 2 - Total Chlorine

- 1 powder dispenser „Total Chlorine“
- 1 reagent vial „Total Chlorine“
- 1 instruction manual
- 1 protective sleeve (rubber)

**Order code: 19 49 10**

➔ For detailed information see our actual catalogue or **[www.tintometer.com](http://www.tintometer.com)**

## Membrane filter set

For use when preparing samples for photometric measurements

#### Advantages

- removes turbid materials from samples
- differentiates between dissolved and total substances
- 0.45 µm mesh meets the requirements of the official German unitary procedure for water testing

To prevent the effects of light scatter, it must be ensured that all turbid materials are removed from the sample before photometric measurements are carried out. This can be achieved with the Lovibond membrane filter set.

Where certain methods are employed (e.g., iron, manganese, CSB, etc.) a membrane filter set must be used to differentiate samples in terms of dissolved and total substances.

The filter mesh size of 0.45 µm is in accordance with the official German unitary procedure for water testing.

**Order code: 36 61 50**

(covers 25 x 0.45 µm membrane filters and two 20 ml syringes)

