

# Lovibond®

Clearly the water experts



## Visual Comparators

The Lovibond® Comparator System 2000 is an extremely versatile, modular system for testing water. The compact, portable design is simple to use yet uncompromising in terms of precision and reproducibility of results.

Lovibond® Tintometer® supplies over 400 different compatible test discs based on glass standards ensuring fade-free colours and resistance to chemicals and scratching. Standard discs are available for tests from Aluminium to Zinc – alternatively, customised discs may be ordered.

Battery-operated lighting units are also available and highly recommended for viewing in variable lighting conditions.



## Water Analysis

At each step of the cycle

- Source and Raw Water
- Residential
- Industrial
- Environmental
- Effluent

## Instruments & Reagents

For today's water analysis

- Comparators
- Photometers
- BOD System
- COD System
- Tablet and Powder Reagents



## Turbidity Meters

TurbiCheck waterproof turbidity meter for both laboratory and in-situ measurement using the popular white light method.

### TurbiCheck

- Range: 0.01 – 1100 NTU
- Accuracy: +/- 2% of reading (0 – 500)
- +/- 3% of reading (500 – 1100)
- Measurement with white light at 90°

Suitable for all applications from potable to raw water.

**Infrared light units are also available, please contact Lovibond® Tintometer® for further details.**



## Warranty and Service

Lovibond® Tintometer® is committed to ensure the quality of its products on delivery and throughout the product's lifetime. All Water Analysis products are supplied with 2 years' warranty on all parts and labour. Thereafter, further packages are on offer with a choice of Service Levels, guaranteeing well-maintained products and accuracy of readings.

A Calibration facility is also available at the company's headquarters in Wiltshire. All calibrated instruments are returned with a Certificate of Calibration, enabling confidence in the precise measurements expected of the Lovibond® brand.



# The Lovibond® Water Cycle

For quality testing at every stage of the water cycle, the Lovibond® portable testing instruments and reagents offer rapid, reliable and accurate monitoring.

The Lovibond® brand is synonymous with tried and trusted products, service and pure expertise.

The product ranges offer solutions for the entire water cycle: Drinking Water; Waste Water; Process Water; Industrial Water; and Effluents: with instruments to analyse and monitor over 100 parameters from A – Z including, but not limited to: Alkalinity; pH; Chlorine; Chloride; TDS; Calcium Hardness; Phosphate; Sulphite; BOD and COD.

### The Lovibond® Water Cycle



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# Photometers

Automatic analysis for easy, reliable and accurate measurements

## Lovibond® Photometers ensure:

- Full water resistance
- Large graphic data displays
- Storage
- Ergonomic designs
- Ability to download data to computer via infra-red data transfer
- Available with Lovibond® Tablet and Powder Reagents

### MaxiDirect Photometer

Combining the mobility of a portable photometer with the characteristics of a modern laboratory photometer.



- Automatic wavelength selection
- Memory for up to 1000 data sets
- Infra-red data transmission module IRiM to computer or printer
- Measures parameters from Alkalinity to Zinc

**1 Instrument – More than 70 tests!**

### MD100 Photometer

Unique measurement capability using both powder and/or tablet reagents



- Fully waterproof (IP 68)
- Compact, portable and easy-to-use
- Measures Chlorine from 0.01 – 6.0 mg/l
- Ideal for laboratory and in the field
- One Time Zero (OTZ) function
- Measures single parameters or multiple methods

A 'Certificate of Compliance' is supplied with each photometer and calibration certificates are also available on request. The instruments may also be calibrated by the user in a 'user calibration mode' with N.I.S.T. traceable standards.

## Tablets and Reagents

The new Blister Pack tablets from Lovibond® Tintometer® were launched to address customers' requirements, looking for ways to ease the dispensing of tablets.

Blister Packs are designed to make handling of the tablets easier: the user simply pushes the tablet through the protective foil straight into the sample. They are simple, time saving and practical.

**Easy to Use • Time Saving • Smaller Package Size • Less Waste**

As with all Lovibond® tablets, each individual tablet is hermetically sealed to protect against changing environmental conditions and prevent cross contamination. The packaging keeps the tablet in perfect condition right up to the time it is needed by the user with a typical shelf-life of 5 – 10 years.

All Lovibond® instruments are shipped as standard with tests for approximately 100 measurements. Additional tablets may be ordered as required.

Many Lovibond® products uniquely use both powder and / or tablet reagents.



# COD Thermoreactor and Photometer

The RD125 thermoreactor for the rapid heating and digestion of COD (Chemical Oxygen Demand) vials in a safe and secure environment.



### RD125 Thermoreactor

- Heat from 20°C to 150°C in just 12 minutes
- Three temperature choices: 100°C, 120°C or 150°C
- Three pre-selection times: 30, 60 and 120 mins
- Suitable for 16 mm vials

### MD100 COD Photometer set

- Easy-to-use, compact, portable unit
- Measures the COD concentration in mg/l
- Supplied with two packs of COD tubes:
  - 1 set for LR measurements of 0-150 mg/l
  - 1 set for MR measurements of 0-1500 mg/l
- Tube rack and reactor

## COD Vial Disposal Service

As an additional service, Lovibond® Tintometer® offers a collection and disposal service for used vials at a very competitive rate. Importantly, these vials are disposed of within the UK avoiding costly overhead and environmental impact of sending abroad.

## BOD System

An easy-to-use, entry level BOD system based on the manometric principle, the OxiDirect 6 sample system allows precise measurements every time with the accurate and direct display of BOD values in mg/l.



### Measuring Ranges

Range mg/l BOD	Sample Volume ml
0 – 40	428
0 – 80	360
0 – 200	244
0 – 400	157
0 – 800	94
0 – 2000	56
0 – 4000	21.7

**No Tubing Assembly**

The measurement period is user selectable between 1 and 28 days.

Maintenance-free and non-wearing	:	Regular change in stirring speed
Automatic centring of stirring rods	:	No mechanical components in the stirring system

For temperature equalisation, Lovibond® Tintometer® offers a range of thermostatically controlled cabinets with a user-selectable temperature from 2°C to 40°C.