

# Lovibond® Water Testing

## Tintometer® Group



## XD 7000 (VIS)

Simplify your Work - Save Time and Money!



### Latest technology

The XD 7000 and XD 7500 spectrophotometers are equipped with VIS and UV / VIS reference beam technology.

### Automatic test recognition

Each of the more than 150 pre-programmed Lovibond® methods is recognized by barcode as well as the cuvette type.

### Analytical quality assurance

Standard procedures for analytical quality assurance support the verification of the photometer, the overall system (including the chemical methodology) and the verification of matrix effects.

### Built-in security levels

The devices support the assignment of passwords and the assignment of up to three different levels of rights.

### Additional functions

Measurement of transmission and absorption, spectral scan, kinetics analysis, as well as the creation of user-defined methods.

### Interfaces for data processing

You want to process your data? With Ethernet, USB B, USB A for external memory, keyboard, barcode scanner and printer different versions are available.

- Premium optical system with reference beam
- Automatic test recognition with internal barcode reader
- Automatic cuvette type detection
- Support of analytical quality assurance

Part Number: 71307000

### Industry

Chemical Industry | Food and Beverage Industry | Industries Others | Marine Industry | Municipalities | NGO | Oil and Gas | Pharmaceutical Industry | Power and Energy

### Application

Boiler Water | Cooling Water | Disinfection Control | Drinking Water Treatment | Galvanization | Pool Water Control | Pool Water Treatment | Raw Water Treatment | Waste Water Treatment

### XD 7000 (VIS)

The XD 7000 and XD 7500 are state-of-the-art spectrophotometers. Due to many technical subtleties, such as The automatic test recognition via barcode or over 150 pre-programmed Lovibond® methods makes it ideal for routine or spectral analysis.

## Measuring Range

Test Name	Measuring Range	Chemical Method
Alkalinity-m HR T	5 - 500 mg/l CaCO <sub>3</sub>	Acid / Indicator
Alkalinity-m T	5 - 200 mg/l CaCO <sub>3</sub>	Acid / Indicator
Alkalinity-p T	5 - 300 mg/l CaCO <sub>3</sub>	Acid / Indicator
Aluminium PP	0.01 - 0.25 mg/l Al	Eriochrom Cyanine R
Aluminium T	0.01 - 0.3 mg/l Al	Eriochrom Cyanine R
Ammonia HR TT	1.0 - 50 mg/l N	Salicylate
Ammonia LR TT	0.02 - 2.5 mg/l N	Salicylate
Ammonia PP	0.01 - 0.8 mg/l N	Salicylate
Ammonia T	0.02 - 1 mg/l N	Indophenole Blue
Arsenic	0.02 - 0.6 mg/l As	Silver Diethyldithiocarbamate
Boron T	0.1 - 2 mg/l B	Azomethine
Bromine 10 T	0.1 - 3 mg/l Br <sub>2</sub>	DPD
Bromine 50 T	0.05 - 1 mg/l Br <sub>2</sub>	DPD
Bromine PP	0.05 - 4.5 mg/l Br <sub>2</sub>	DPD
Bromine T	0.05 - 13 mg/l Br <sub>2</sub>	DPD
Cadmium M. TT	0.025 - 0.75 mg/l Cd	Cadion
Chloride L (A)	0.5 - 20 mg/l Cl <sup>-</sup>	Mercury Thiocyanate / Iron Nitrate
Chloride L (B)	5.00 - 60 mg/l Cl <sup>-</sup>	Iron(III)-thiocyanate
Chloride T	0.5 - 25 mg/l Cl <sup>-</sup>	Silver Nitrate / Turbidity
Chlorine 10 T	0.1 - 6 mg/l Cl <sub>2</sub>	DPD
Chlorine 50 T	0.02 - 0.5 mg/l Cl <sub>2</sub> <sup>a)</sup>	DPD
Chlorine dioxide 50 T	0.05 - 1 mg/l ClO <sub>2</sub>	DPD / Glycine
Chlorine dioxide PP	0.04 - 3.8 mg/l ClO <sub>2</sub>	DPD
Chlorine dioxide T	0.02 - 11 mg/l ClO <sub>2</sub>	DPD / Glycine
Chlorine HR 10 T	0.1 - 10 mg/l Cl <sub>2</sub> <sup>a)</sup>	DPD
Chlorine HR (Kl) T (105)	5 - 200 mg/l Cl <sub>2</sub>	Kl / Acid
Chlorine L	0.02 - 4.0 mg/l Cl <sub>2</sub> <sup>a)</sup>	DPD
Chlorine PP	0.02 - 2 mg/l Cl <sub>2</sub> <sup>a)</sup>	DPD
Chlorine PP	0.02 - 3.5 mg/l Cl <sub>2</sub> <sup>a)</sup>	DPD
Chlorine T	0.01 - 6.0 mg/l Cl <sub>2</sub> <sup>a)</sup>	DPD
Chlorite T	0.03 - 2.5 mg/l ClO <sub>2</sub> <sup>-</sup>	DPD
Chromium 50 PP	0.005 - 0.5 mg/l Cr <sup>b)</sup>	Diphenylcarbazide
Chromium PP	0.02 - 2 mg/l Cr <sup>b)</sup>	Diphenylcarbazide
COD HR TT	200 - 15000 mg/l COD <sup>b)</sup>	Dichromate / H <sub>2</sub> SO <sub>4</sub>
COD LMR TT	15 - 300 mg/l COD <sup>b)</sup>	Dichromate / H <sub>2</sub> SO <sub>4</sub>
COD LR TT	3 - 150 mg/l COD <sup>b)</sup>	Dichromate / H <sub>2</sub> SO <sub>4</sub>
COD MR TT	20 - 1500 mg/l COD <sup>b)</sup>	Dichromate / H <sub>2</sub> SO <sub>4</sub>
Copper 50 T	0.05 - 1 mg/l Cu <sup>a)</sup>	Biquinoline
Copper L	0.05 - 4 mg/l Cu <sup>a)</sup>	Bicinchoninate
Copper PP	0.05 - 5 mg/l Cu	Bicinchoninate
Copper T	0.05 - 5 mg/l Cu <sup>a)</sup>	Biquinoline
Cyanide 50 L	0.005 - 0.2 mg/l CN <sup>-</sup>	Pyridine-barbituric Acid
Cyanide L	0.01 - 0.5 mg/l CN <sup>-</sup>	Pyridine-barbituric Acid
CyA T	10 - 160 mg/l CyA	Melamine
DEHA PP	0.02 - 0.5 mg/l DEHA	PPST
DEHA T (L)	0.02 - 0.5 mg/l DEHA	PPST
Fluoride L	0.05 - 2 mg/l F <sup>-</sup>	SPADNS
Formaldehyde 10 M. L	1.00 - 5.00 mg/l HCHO	H <sub>2</sub> SO <sub>4</sub> / Chromotropic acid
Formaldehyde 50 M. L	0.02 - 1.00 mg/l HCHO	H <sub>2</sub> SO <sub>4</sub> / Chromotropic acid
Formaldehyde M. TT	0.1 - 5 mg/l HCHO	H <sub>2</sub> SO <sub>4</sub> / Chromotropic acid
H <sub>2</sub> O <sub>2</sub> 50 T	0.01 - 0.5 mg/l H <sub>2</sub> O <sub>2</sub>	DPD / Catalyst
H <sub>2</sub> O <sub>2</sub> HR L	40 - 500 mg/l H <sub>2</sub> O <sub>2</sub>	Titanium Tetrachloride / Acid

Test Name	Measuring Range	Chemical Method
H <sub>2</sub> O <sub>2</sub> LR L	1 - 50 mg/l H <sub>2</sub> O <sub>2</sub>	Titanium Tetrachloride / Acid
H <sub>2</sub> O <sub>2</sub> T	0.03 - 3 mg/l H <sub>2</sub> O <sub>2</sub>	DPD / Catalyst
Hardness Calcium (B) T	20 - 500 mg/l CaCO <sub>3</sub>	Murexide
Hardness Calcium (B) T	50 - 900 mg/l CaCO <sub>3</sub>	Murexide
Hardness total HR T	20 - 500 mg/l CaCO <sub>3</sub> <sup>i)</sup>	Metallphthaleine
Hardness total T	2 - 50 mg/l CaCO <sub>3</sub>	Metallphthaleine
Hazen 24	10 - 500 mg/l Pt	(APHA) Platinum Cobalt Standard Method
Hazen 50	10 - 500 mg/l Pt	(APHA) Platinum Cobalt Standard Method
Hydrazine C	0.01 - 0.7 mg/l N <sub>2</sub> H <sub>4</sub> <sup>c)</sup>	PDMAB
Hydrazine L	0.005 - 0.6 mg/l N <sub>2</sub> H <sub>4</sub>	Dimethylaminobenzaldehyde
Hydrazine P	0.05 - 0.5 mg/l N <sub>2</sub> H <sub>4</sub>	Dimethylaminobenzaldehyde
Hypochlorite T	0.2 - 17 % NaOCl	Potassium Iodide
Iron 10 T	0.05 - 1 mg/l Fe	Ferrozine / Thioglycolate
Iron 50 T	0.01 - 0.5 mg/l Fe	Ferrozine / Thioglycolate
Iron (TPTZ) PP	0.02 - 1.8 mg/l Fe	TPTZ
Iron HR L	0.1 - 10 mg/l Fe	Thioglycolate
Iron in Mo PP (224)	0.01 - 1.8 mg/l Fe	TPTZ
Iron LR L (A)	0.03 - 2 mg/l Fe	Ferrozine / Thioglycolate
Iron LR L (B)	0.03 - 2 mg/l Fe	Ferrozine / Thioglycolate
Iron PP	0.01 - 1.5 mg/l Fe <sup>g)</sup>	1,10-Phenanthroline
Iron PP	0.02 - 3 mg/l Fe <sup>g)</sup>	1,10-Phenanthroline
Iron T	0.02 - 1 mg/l Fe	Ferrozine / Thioglycolate
K <sub>S4.3</sub> T	0.1 - 4 mmol/l K <sub>S4.3</sub>	Acid / Indicator
Lead 10	0.1 - 5 mg/l Pb	4-(2-Pyridylazo)-resorcin
Lead (A) TT	0.1 - 5 mg/l Pb	4-(2-Pyridylazo)-resorcin
Lead (B) TT	0.1 - 5 mg/l Pb	4-(2-Pyridylazo)-resorcin
Iodine T	0.05 - 3.6 mg/l I	DPD
Manganese HR PP	0.1 - 18 mg/l Mn	Periodate Oxidation
Manganese L	0.05 - 5 mg/l Mn	Formaldoxime
Manganese LR PP	0.01 - 0.7 mg/l Mn	PAN
Manganese T	0.2 - 4 mg/l Mn	Formaldoxime
Molybdate HR L	1 - 100 mg/l MoO <sub>4</sub>	Thioglycolate
Molybdate HR PP	0.5 - 66 mg/l MoO <sub>4</sub>	Mercaptoacetic Acid
Molybdate LR PP	0.05 - 5 mg/l MoO <sub>4</sub>	Mercaptoacetic Acid
Molybdate T	1 - 50 mg/l MoO <sub>4</sub>	Thioglycolate
Nickel 50 L	0.02 - 1 mg/l Ni	Dimethylglyoxime
Nickel L	0.2 - 7 mg/l Ni	Dimethylglyoxime
Nitrate DMP HR	1.2 - 35 mg/l N	2,6-Dimethylphenole
Nitrate LR TT	0.5 - 14 mg/l N	2,6-Dimethylphenole
Nitrate T	0.08 - 1 mg/l N	Zinc Reduction / NED
Nitrate TT	1 - 30 mg/l N	Chromotropic Acid
Nitrite HR TT	0.3 - 3 mg/l N	Sulfanilic / Naphthylamine
Nitrite LR TT	0.03 - 0.6 mg/l N	Sulfanilic / Naphthylamine
Nitrite PP	0.01 - 0.3 mg/l N	Diazotation
Nitrite T	0.01 - 0.5 mg/l N	N-(1-Naphthyl)-ethylenediamine
Oxygen active T	0.1 - 10 mg/l O <sub>2</sub>	DPD
Oxygen dissolved C	10 - 1100 µg/l O <sub>2</sub> <sup>c)</sup>	Rhodazine D TM
Ozone 50 T	0.02 - 0.5 mg/l O <sub>3</sub>	DPD / Glycine
Ozone PP	0.015 - 2 mg/l O <sub>3</sub>	DPD / Glycine
Ozone T	0.02 - 2 mg/l O <sub>3</sub>	DPD / Glycine
Phenol T	0.1 - 5 mg/l C <sub>6</sub> H <sub>5</sub> OH	4-Aminoantipyrine

Test Name	Measuring Range	Chemical Method
PHMB T	2 - 60 mg/l PHMB	Buffer / Indicator
Phosphate h. TT	0.02 - 1.6 mg/l P <sup>b)</sup>	Phosphomolybdenum Blue
Phosphate HR C	1.6 - 13 mg/l P <sup>c)</sup>	Vanadomolybdate
Phosphate HR L	1.63 - 26.09 mg/l P	Vanadomolybdate
Phosphate HR T	0.33 - 26.09 mg/l P	Vanadomolybdate
Phosphate HR TT	0.98 - 19.57 mg/l P	Vanadomolybdate
Phosphate LR C	0.016 - 1.6 mg/l P <sup>c)</sup>	Stannous Chloride
Phosphate LR L	0.033 - 3.261 mg/l P	Phosphomolyblic Acid / Ascorbic Acid
Phosphate LR T	0.016 - 1.305 mg/l P	Phosphomolybdenum Blue
Phosphate PP	0.02 - 0.815 mg/l P	Phosphomolybdenum Blue
Phosphate t. TT	0.02 - 1.1 mg/l P <sup>b)</sup>	Phosphomolybdenum Blue
Phosphate total HR TT	1.5 - 20 mg/l P <sup>b)</sup>	Phosphomolybdenum Blue
Phosphate total LR TT	0.07 - 3 mg/l P <sup>b)</sup>	Phosphomolybdenum Blue
Phosphate TT	0.02 - 1.63 mg/l P	Phosphomolybdenum Blue
Phosphonate PP	0.2 - 125 mg/l PO <sub>4</sub>	Persulfate UV Oxidation Method
pH-value HR T	8.0 - 9.6	Thymol Blue
pH value L	6.5 - 8.4	Phenol Red
pH-value LR T	5.2 - 6.8	Brom cresol purple
pH-value T	6.5 - 8.4	Phenol Red
Polyacrylate L	1 - 30 mg/l Polyacryl	Turbidity
Potassium T	0.7 - 16 mg/l K	Tetraphenylborat Turbidity
SAC 436 nm	0.5 - 50 m <sup>-1</sup>	Direct Reading EN ISO 7887:1994
SAC 525 nm	0.5 - 50 m <sup>-1</sup>	Direct Reading EN ISO 7887:1994
SAC 620 nm	0.5 - 50 m <sup>-1</sup>	Direct Reading EN ISO 7887:1994
Selenium	0.05 - 2 mg/l Se	3,3'-Diaminobenzidine in Toluene
Silicate T	0.05 - 4 mg/l SiO <sub>2</sub>	Silicomolybdenum Blue
Silicate HR PP	1 - 100 mg/l SiO <sub>2</sub>	Silicomolybdate
Silicate L	0.1 - 8 mg/l SiO <sub>2</sub>	Heteropolyblue
Silicate LR PP	0.05 - 1.6 mg/l SiO <sub>2</sub>	Heteropolyblue
Sulphate PP	5 - 100 mg/l SO <sub>4</sub> <sup>2-</sup>	Bariumsulphate Turbidity
Sulphate T	5 - 100 mg/l SO <sub>4</sub> <sup>2-</sup>	Bariumsulphate Turbidity
Sulphide T	0.04 - 0.5 mg/l S <sup>2-</sup>	DPD / Catalyst
Sulphite 10 T	0.1 - 10 mg/l SO <sub>3</sub>	DTNB
Sulphite T	0.1 - 5 mg/l SO <sub>3</sub>	DTNB
Surfactants M. (anion.) TT	0.05 - 2 mg/l SDSA	Methylene Blue
Surfactants M. (cation.) TT	0.05 - 1.5 mg/l CTAB	Disulphine Blue
Surfactants M. (not ionic) TT	0.1 - 7.5 mg/l Triton X-100	TBPE
Suspended solids 24	10 - 750 mg/l TSS	Turbidity / Attenuated Radiation Method
Suspended solids 50	10 - 750 mg/l TSS	Turbidity / Attenuated Radiation Method
TN HR 2 TT	5 - 140 mg/l N <sup>b)</sup> <sup>i)</sup>	2,6-Dimethylphenole
TN HR TT	5 - 150 mg/l N <sup>b)</sup>	Persulphate Digestion
TN LR 2 TT	0.5 - 14 mg/l N <sup>b)</sup>	2,6-Dimethylphenole
TN LR TT	0.5 - 25 mg/l N <sup>b)</sup>	Persulphate Digestion
TOC HR M. TT	50 - 800 mg/l TOC <sup>b)</sup>	H <sub>2</sub> SO <sub>4</sub> / Persulphate / Indicator
TOC LR M. TT	5 - 80 mg/l TOC <sup>b)</sup>	H <sub>2</sub> SO <sub>4</sub> / Persulphate / Indicator

Test Name	Measuring Range	Chemical Method
Triazole PP	1 - 16 mg/l Benzotriazoles or Tolyltriazole	Catalyzed UV Digestion
Turbidity 50	5 - 500 FAU	Attenuated Radiation Method
Turbidity 24	10 - 1000 FAU	Attenuated Radiation Method
Urea T	0.1 - 2.5 mg/l Urea	Indophenol / Urease
Zinc L	0.1 - 2.5 mg/l Zn	Zincon / EDTA
Zinc T	0.02 - 1 mg/l Zn	Zincon

## Technical Data

<b>Light Source</b>	Tungsten halogen lamp	
<b>Optics</b>	Grid monochromator with reference beam and beam splitter after exit slit	
<b>Measurement</b>	Concentration, single and multi-wavelength measurement of absorbance and % transmission, kinetics, spectra	
<b>Wavelength Range</b>	320 - 1100 nm	
<b>Wavelength Resolution</b>	1 nm	
<b>Wavelength Accuracy</b>	± 1 nm on all Holmium peaks	
<b>Wavelength Reproducibility</b>	better than 0,5 nm	
<b>Spectral Scope</b>	4 nm	
<b>Photometric Range</b>	-3.3 - +3.3 Abs	
<b>Photometric Resolution</b>	Absorption: 0.001 ; Transmission: 0.1 %	
<b>Photometric Accuracy</b>	0.003 Abs below 0.6 Abs ; 0.5 % from 0.6 to 2.0 Abs	
<b>Photometric Reproducibility</b>	0.003 Abs below 0.6 Abs ; 0.5 % from 0.6 to 2.0 Abs	
<b>Photometric Linearity</b>	< 1 % up to 2.0 Abs between 340 to 900 nm	
<b>Scan Speed</b>	700 - 2000 nm/min.	
<b>Stray Light</b>	> 0.1 % Transmission at 340 and 408 nm	
<b>Drift</b>	< 0.005 Abs per hour after 15 minutes heat up time	
<b>Operation</b>	Membrane Keyboard	
<b>Display</b>	7" high contrast colour graphic-display	
<b>Suitable Vials</b>	Rectangular Cuvettes 10 mm Rectangular Cuvettes 20 mm Rectangular Cuvettes 50 mm Round Cuvettes 13 mm Round Cuvettes 16 mm Round Cuvettes 24 mm	
<b>Automatic Cuvette Recognition</b>	Round cuvettes: 13, 16 and 24 mm ; Rectangular cuvettes: 10, 20 and 50mm	
<b>Test Recognition</b>	via internal barcode reader	
<b>Interfaces</b>	Ethernet USB B USB A for External Memory Keypad Barcode-Scanner PCL Compatible Printer	
<b>Auto-Check</b>	Self-test at each switch-on: test of memory, processor, internal interface, filter lamp and additional calibration of each wavelength	
<b>LIMS Compatibility</b>	ASCII, .csv-files	
<b>Internal Storage</b>	approx. 5000 data sets (method, user ID, date, result), autostorage function / manual storage function	
<b>Security</b>	Password protection possible: 3 different user levels (guest, user, admin)	
<b>Power Drain</b>	100 - 240 V, 50/60 Hz	
<b>Power Supply</b>	Buffer batteries (4 x AA), power supply unit with cable	
<b>Auto – OFF</b>	Yes	
<b>Portability</b>	Benchtop	
<b>Environmental Conditions</b>	+10 °C to 35 °C (41 °F to 95 °F), ≤ 75 % average humidity within one year 95 %, max. 30 days/year, 85 % all other days	

<b>Stock Conditions</b>	-25 °C to +65 °C (-13 °F to 268 °F)
<b>Compliance</b>	CE
<b>Protection Class</b>	IP 30
<b>IP Protection Class</b>	EN 60529
<b>Interference Emission</b>	Class B
<b>Interference Immunity</b>	IEC 61000-4-3
<b>Tolerance Extension</b>	0.008 E
<b>Meter Safety</b>	EC Directive 2014/35/EC EN 61010-1:2010
<b>Languages User Interface</b>	German, English, French, Spanish, Italian, Portuguese, Polish, Indonesian, Russian, Chinese, Japanese, Dutch, Swedish, Norwegian, Czech, Romanian, Macedonian, Slovenian, Hungarian, Turkish, Korean, Vietnamese, Thai, Serbian, Malaysian, Danish, Bulgarian
<b>Languages Quick Start Guide</b>	German, English, French, Spanish, Italian, Portuguese, Polish, Indonesian, Russian, Chinese, Japanese, Dutch, Swedish, Norwegian, Czech, Romanian, Macedonian, Slovenian, Hungarian, Turkish, Korean, Vietnamese, Thai, Serbian, Malaysian, Danish, Bulgarian
<b>Languages Full User Manual</b>	German, English, Spanish, French, Italian, Portuguese, Chinese, Japanese
<b>Dimensions</b>	422 x 195 x 323 mm
<b>Weight</b>	4.5 kg

Title	Part Number
W110/UV/50MM Rectangular cell, Quartz UV	661160
Secondary standard set VIS	711160
Light source replacement XD 7000	71310000
Carrying case for XD 7000/7500	71310010
12 V-plug connector for XD 7000/7500	71310020
Barcode Hand-held Scanner	71310030
Semimicro cell, 50 mm with lid	71310045

## Delivery Scope Text

- 4 batteries (AA)
- 1 power supply cable
- 4 round cuvettes with lid and 1 zero cuvette XD 7x00 (ø 24 mm)
- 1 zero cuvette (ø 16 mm)
- Quickstart guide in 24 languages
- Full user manual in 8 languages

## Accessory

Title	Part Number
Batteries (AA), set of 4	1950025
Round cuvette 24 mm, set of 12	197620
Round cuvette 24 mm, set of 5	197629
Cleaning cloth	197635
Round cuvette 16 mm, set of 10	197665
Zero cuvette ø 16 mm for XD 7000/7500	215661
Zero cuvette ø 24 mm for XD 7000/7500	215662
Verification Standard Kit XD 7000/7500	215663
USB cable 3 m	2444482
UV Pen Lamp, 254 nm	400740
Cuvette stand for 6 round cuvettes Ø 24 mm	418951
Cuvette stand for 10 round cuvettes Ø 16 mm	418957
Pipette tips*, 1-5 ml (white) 100 pc.	419066
Pipette tips**, 0,1-1 ml (white), 1000 pc.	419073
Automatic pipette*, 1-5 ml	419076
Automatic pipette**, 0,1-1 ml	419077
W100/OG/10MM Rectangular cell, optical glass	601040
W100/OG/20MM Rectangular cell, optical glass for determination of arsenic	601050
W100/OG/50MM Rectangular cell, optical glass	601070
W110/UV/10MM Rectangular cell, Quartz UV	661130
W110/UV/20MM Rectangular cell, Quartz UV	661140

**Tintometer GmbH**  
Lovibond® Water Testing  
Schleefstraße 8-12  
44287 Dortmund  
Tel.: +49 (0)231/94510-0  
Fax: +49 (0)231/94510-30  
[sales@tintometer.de](mailto:sales@tintometer.de)  
[www.lovibond.com](http://www.lovibond.com)  
Germany

**Tintometer China**  
Room 1001, China Life Tower  
16 Chaoyangmenwai Avenue,  
Beijing, 100020  
Tel.: +86 10 85251111 App. 330  
Fax: +86 10 85251001  
[chinaoffice@tintometer.com](mailto:chinaoffice@tintometer.com)  
[www.lovibond.com](http://www.lovibond.com)  
China

**Tintometer Inc.**  
6456 Parkland Drive  
Sarasota, FL 34243  
Tel: 941.756.6410  
Fax: 941.727.9654  
[sales@tintometer.us](mailto:sales@tintometer.us)  
[www.lovibond.com](http://www.lovibond.com)  
USA

**The Tintometer Limited**  
Lovibond House  
Sun Rise Way  
Amesbury, SP4 7GR  
Tel.: +44 (0)1980 664800  
Fax: +44 (0)1980 625412  
[water.sales@tintometer.com](mailto:water.sales@tintometer.com)  
[www.lovibond.com](http://www.lovibond.com)  
UK

**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](mailto:lovibond.asia@tintometer.com)  
[www.lovibond.com](http://www.lovibond.com)  
Malaysia

**Tintometer India Pvt. Ltd.**  
Door No: 7-2-C-14, 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> Floor  
Sanathnagar Industrial Estate,  
Hyderabad, 500018  
Telangana  
Tel: +91 (0) 40 23883300  
Toll Free: 1 800 599 3891/ 3892  
[indiaoffice@tintometer.com](mailto:indiaoffice@tintometer.com)  
[www.lovibondwater.in](http://www.lovibondwater.in)  
India

**Tintometer AG**  
Hauptstraße 2  
5212 Hausen AG  
Tel.: +41 (0)56/4422829  
Fax: +41 (0)56/4424121  
[info@tintometer.ch](mailto:info@tintometer.ch)  
[www.tintometer.ch](http://www.tintometer.ch)  
Switzerland

**Tintometer Brazil**  
Caixa Postal: 271  
CEP: 13201-970  
Jundiaí – SP  
Tel.: +55 (11) 3230-6410  
[sales@tintometer.com.br](mailto:sales@tintometer.com.br)  
[www.lovibond.com.br](http://www.lovibond.com.br)  
Brazil

**Tintometer Spain**  
Postbox: 24047  
08080 Barcelona  
Tel.: +34 661 606 770  
[sales@tintometer.es](mailto:sales@tintometer.es)  
[www.lovibond.com](http://www.lovibond.com)  
Spain