

Lovibond® Water Testing

Tintometer® Group



COD Set-Up MD 100

Determination of the chemical oxygen demand index (ST-COD)



- ST-COD sealed tubes ready for use
- Suppression of chloride interference up to 1000 mg/L (LR & MR) up to 10000 mg/L (HR)
- Mercury free tube tests, in absence of chloride interference
- 4 ranges:
 - Low range: 3 - 150 mg/L, meets ISO 15705:2002
 - Middle-low range: 15 - 300 mg/L, meets ISO 15705:2002
 - Middle range: 20 - 1500 mg/L, meets ISO 15705:2002
 - High range: 200 - 15000 mg/L

Part Number: 276130

Industry

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

Application

Raw Water Treatment | Waste Water Treatment

COD Set-Up MD 100

The Lovibond® COD Setups allow highly sensitive and precise water testing with minimum effort. They measure the ST-COD concentration by photometric detection employing a linear relationship between absorbance and concentration.

After adding the sample to a Lovibond® COD tube test (LR, MR according to ISO 15705:2002), it is heated in the reactor for two hours at 150 °C and then analysed in the photometer.

The COD Setups comprise the photometer, 25 tube tests for each of the two lower measuring ranges, a reactor for sample digestion and a vial stand.

Measuring Range

Test Name	Measuring Range	Chemical Method
COD HR TT	200 - 15000 mg/L COD ^{b)}	Dichromate / H ₂ SO ₄
COD LMR TT	15 - 300 mg/L COD ^{b)}	Dichromate / H ₂ SO ₄
COD LR TT	3 - 150 mg/L COD ^{b)}	Dichromate / H ₂ SO ₄
COD MR TT	20 - 1500 mg/L COD ^{b)}	Dichromate / H ₂ SO ₄

Technical Data

Auto – OFF	Yes
Portability	Benchtop
Compliance	CE

Delivery Scope

- Photometer
- COD Reactor RD 125
- COD tube tests (0 - 150 mg/l and 0 - 1500 mg/l)
- Tube stand
- Instruction manual
- Warranty information

Accessories

Title	Part Number
Adapter for round cuvettes 16 mm	19802190
Adapter for round cuvettes 13 mm	19802192
Fixed price service package for MD100/MD110/MD200	19802701
Service plan - 3 years for MD100/MD110/MD200	19802801
Thermoreactor RD 125	2418940
Standard Solution COD 100 mg/l	2420803
Standard Solution COD 500 mg/l	2420804
Standard Solution COD 5000 mg/l	2420805
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
Factory calibration certificate ISO 9001 for MD100/MD110/MD200	999750

Tintometer GmbH

Lovibond® Water Testing
Schleefstraße 8-12
44287 Dortmund
Tel.: +49 (0)231/94510-0
Fax: +49 (0)231/94510-30
sales@lovibond.com
www.lovibond.com
Germany

The Tintometer Limited

Lovibond House
Sun Rise Way
Amesbury, SP4 7GR
Tel.: +44 (0)1980 664800
Fax: +44 (0)1980 625412
sales@lovibond.uk
www.lovibond.com
UK

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
www.lovibond.com
China

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
www.lovibond.com
Malaysia

Tintometer Brazil

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

Tintometer Inc.

6456 Parkland Drive
Sarasota, FL 34243
Tel: 941.756.6410
Fax: 941.727.9654
sales@lovibond.us
www.lovibond.com
USA

Tintometer India Pvt. Ltd.

Door No: 7-2-C-14, 2nd, 3rd & 4th Floor
Sanathnagar Industrial Estate,
Hyderabad, 500018
Telangana
Tel: +91 (0) 40 23883300
Toll Free: 1 800 599 3891/ 3892
indiaoffice@lovibond.in
www.lovibondwater.in
India

Tintometer Spain

Postbox: 24047
08080 Barcelona
Tel.: +34 661 606 770
sales@tintometer.es
www.lovibond.com
Spain

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