

# Lovibond® Water Testing Tintometer® Group



## COD Set-Up MD 100

The complete COD laboratory from a single source



- 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

### 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.

Part Number: 276130

### Measuring Range

Test Name	Measuring Range	Chemical Method
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>

### 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

Title	Part Number
Adapter for round cuvettes 16 mm ø	19802190
Adapter for round cuvettes 13 mm Ø	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

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