

# Lovibond® Water Testing Tintometer® Group



## COD Set-Up MD 200

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

### 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 200

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: 2892602

### Measuring Range

| Test Name  | Measuring Range                       | Chemical Method                             |
|------------|---------------------------------------|---|
| COD HR TT  | 200 - 15000 mg/L<br>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

## 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      |

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