

Lovibond® Water Testing Tintometer® Group



Waste Water Set-Up SpectroDirect

Spectrophotometer for accurate wastewater measurement



- Robust single-beam spectrophotometer with low maintenance
- Multifunctional tube shaft
- Memory capacity for 1,000 data records
- Thermoreactor RD 125

Part Number: 712100

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 | Drinking Water Treatment | Galvanization | Raw Water Treatment | Waste Water Treatment

Waste Water Set-Up SpectroDirect

With the SpectroDirect single-beam spectrophotometer you have a robust, accurate and low-maintenance assistant in your own laboratory. The instrument is ready for use without any warm-up time and is flexible with a multifunctional tube shaft for round cuvettes with 16 mm and 25 mm diameter as well as rectangular tubes. The spectrophotometer uses the entire light spectrum during the measurement and ensures highest accuracy, with pre-programmed or own test methods. With the RD 125 thermoreactor you can prepare your wastewater samples for measurement. The appropriate reagents for COD measurement are also available. **Note according to EU regulation 2019/1148**

This product contains restricted (acquisition, introduction, possession or use of this product by the general public is restricted by Regulation (EU) 2019/1148) as well as regulated explosives precursors as defined in Regulation (EU) 2019/1148. All suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point. See https://ec.europa.eu/info/index_en

Measuring Range

Test Name	Measuring Range	Chemical Method
Ammonia HR TT	1.0 - 50 mg/l N	Salicylate
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
Nitrate TT	1 - 30 mg/l N	Chromotropic Acid
Nitrite PP	0.01 - 0.3 mg/l N	Diazotation
Phosphate h. TT	0.02 - 1.6 mg/l P ^{b)}	Phosphomolybdenum Blue
TN HR TT	5 - 150 mg/l N ^{b)}	Persulphate Digestion

Technical Data

Portability Benchtop

Delivery Scope

- Spectrophotometer with standard accessories
- Thermo reactor RD 125
- COD tube tests 0 - 150 mg/l and 0 - 1500 mg/l
- Ammonia VARIO HR tube test 1 - 50 mg/l N
- Nitrate VARIO tube test 1 - 30 mg/l N
- Nitrite LR VARIO Powder Pack 0,01 - 0,3 mg/l N
- Nitrogen VARIO Total HR tube test 5 - 150 mg/l N
- Phosphate VARIO Total HR tube test 0.02 - 1 mg/l P / 0.06 - 3.5 mg/l PO₄
- 5 round cuvettes ø 24 mm
- Cuvette stand
- Membrane filter set
- Instruction manual
- Warranty information

Accessories

Title	Part Number
Round cuvette 24 mm, set of 12	197620
Round cuvette 24 mm, set of 5	197629
Round cuvette 16 mm, set of 10	197665
Adapter for round cuvettes 16 mm	19802190
Adapter for round cuvettes 13 mm	19802192
Thermoreactor RD 125	2418940
Membrane filter set for use when preparing samples, 25 membrane filters 0.45 µm, 2 syringes 20 ml	366150
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
Plastic funnel with handle (white)	471007
W100/OG/10MM Rectangular cell, optical glass	601040
W100/OG/50MM Rectangular cell, optical glass	601070
W110/UV/10MM Rectangular cell, Quartz UV	661130

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