

Meter Biochemical Oxygen Demand BOD and Chemical Oxygen Demand COD with accessories BOD

1x OxiTop-i IS 6 Standard Set BOD
Brand: WTW by Xylem

Code: 208260



PURPOSE: METER
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The WTW OxiTop®-i IS 6 Respirometric BOD Measuring System is a modern easy-to-use instrument for BOD measurement (Biochemical Oxygen Demand). The duration can be defined between one and seven days.

The sample volume can be selected in the menu. The conversion into the corresponding BOD value will be automatic, error-free and convenient. A small LED informs about the actual operating condition of the head.

Equipment used to perform BOD measurements.

BOD: Biochemical Oxygen Demand: It is the amount of oxygen that microorganisms, especially bacteria (aerobic or anaerobic), fungi and plankton, consume during the degradation of organic substances contained in the sample.

Features:

The Respirometric OxiTop® measuring system for BOD self check measurement with undiluted samples (DIN EN 1899 -2) – measuring ranges up to 4,000 mg/l BOD possible

No need to convert data - direct input of sample volume

Most reliable results - display of the curve at the head

Full information - interim values always available

BOD instrument for self-check with 6 measuring units, with direct display of the BOD value at the measuring head, universal power supply 100 to 240 VAC, 50/60 Hz; accessories. 6 OxiTop®-i **measuring heads (3 x blue and 3 x grey)**, menu-operated, with backlit graphic LCD, control LED, operating buttons, for direct BOD readings, volume pre-selection, measurement duration between 1 and 7 days selectable, display of measuring curve, display of current readings.

Full Specifications

Pressure range (hPa) 500 to 1250

Selectable duration (days) 1 to 7

Selectable sample volumes (ml) 22.7; 43.5; 97.0 ; 164 ; 250 ; 365 ; 432

BOD measuring range 0 to 4000 mg/l

Display LCD graphic, backlit, menu controlled

Indicator LED RGB

Battery 1 x CR 2450

Accessories included:

Nitrification inhibitor 50 ml, flask set, Magnetic stirring rods

COD

1x Thermoreactor

Brand: WTW by Xylem

Code: CR 2200



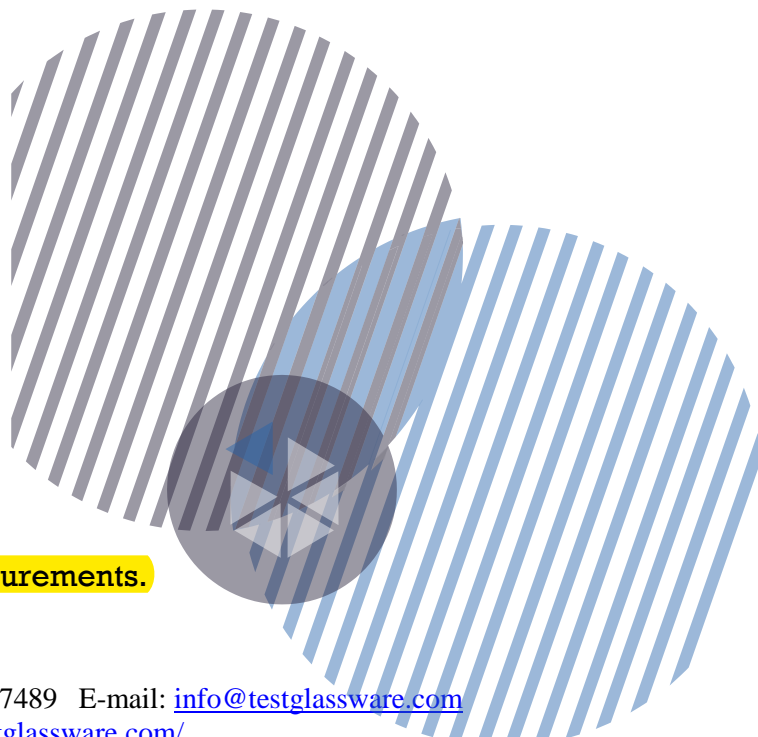
Equipment used to perform COD measurements.

EIN 37-1939950

11300 NW 87 CT STE 150 Telephone: 786 816 7489 E-mail: info@testglassware.com

HIALEAH, FL 33018

Website: <https://testglassware.com/>



COD: Chemical Oxygen Demand: It is the amount of oxygen needed to oxidize organic matter by chemical means and convert it into CO₂ and H₂O.

Thermoreactors for easy digestion of standard parameters

Safe and easy operation with automatic heating and switch-off for standard digestions

12 round cells (16mm)

8 pre-programmed settings including fast digestion for COD

Easy, quick operation for standard parameters

The required temperatures and degradation times for the standard parameters are stored in every WTW thermoreactor. In addition, there are different options for self programming and cuvette numbers available.

CR 2200 allows standard digestion with programs for COD, total nitrogen, total phosphorus, TOC and heavy metals of galvanizing. The high reaction temperature over a defined period of time ensures a complete digestion of the sample. For COD, an additional program for fast digestion (148°C, 20 min) is available.

Programs for standard parameters

1: 148 °C for 120 minutes

2: 120 °C for 30 minutes

3: 120 °C for 60 minutes

4: 120 °C for 120 minutes

5: 100 °C for 60 minutes

6: 148 °C for 20 minutes

7: 150 °C for 120 minutes

8: 100 °C for 30 minutes

Full Specifications

Reactor type Dry temperature control device with safety cover

Cell shafts 12 cell shafts for reaction cells, diameter: 16 ± 0.2 mm

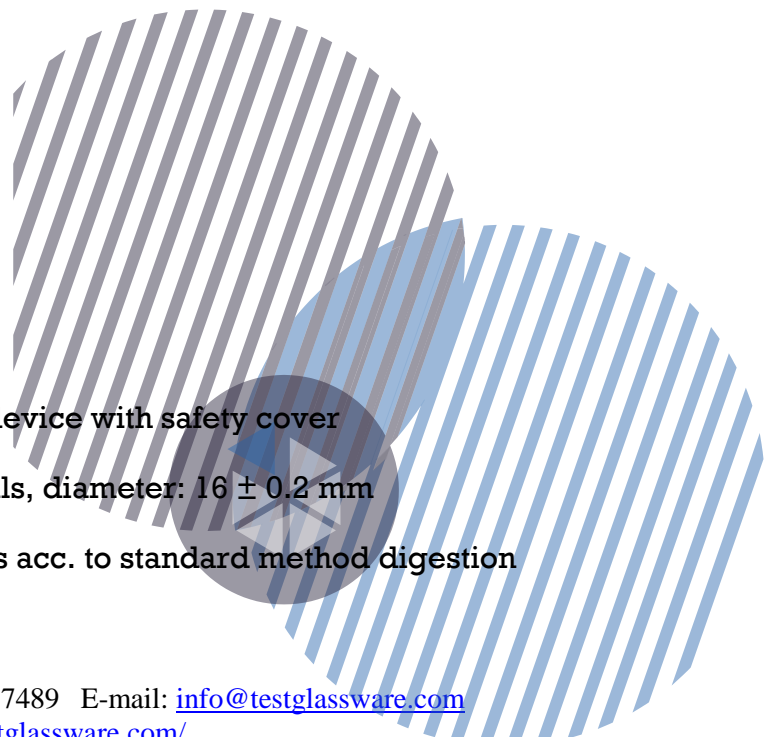
Reaction time setting fixed time settings acc. to standard method digestion programs

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Temperature setting 100 °C, 120 °C, 148 °C, 150 °C acc. to program

Controlling accuracy $\pm 1\text{ }^{\circ}\text{C} \pm 1$ digit

Temperature stability $\pm 0.5\text{K}$

Overtemperature protection $190^{\circ}\text{C} \pm 5^{\circ}\text{C}$

Dimensions D x W x H: 312 x 255 x 185mm

Weight: 4kg

Output unidirectional RS232 interface with 2 banana sockets for external temperature sensor (article-# 250 100), printer, PC

Power supply 115/230 VAC 50/60 Hz switchable via fuse setting

allowed voltage tolerance: $\pm 15\%$ maximum power consumption: 560 W,
Fuse 2x6.3 AT

Protection Class IP 20 according to EN 60529

Ambient temperature Operation $+5\text{ }^{\circ}\text{C}$ to $+40\text{ }^{\circ}\text{C}$

Climatic class 2 according to VDI/VDE 3540

Relative humidity: Yearly mean: $< 75\%$

30 days /year: 95% Other days: 85% Light dew: yes

Site altitude: max. 5000 m above sea level

EMC EN 61326-1

FCC 47 CFR Part 15

Test certificates cETLus, CE

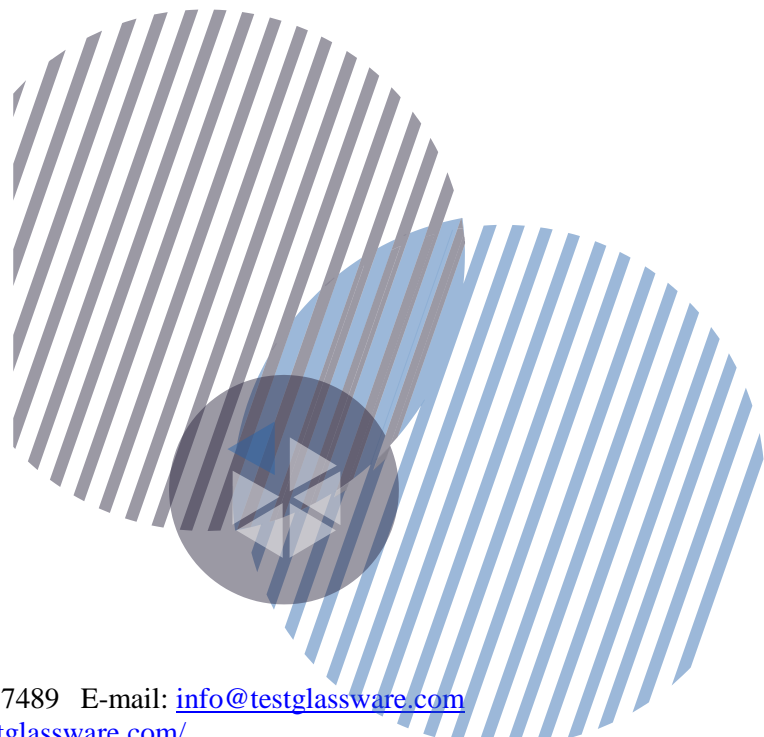
Safety standards EN 61010-1

EN 61010-2-010

UL61010-1

CAN/CSA C22.2#61010-1

CAN/CSA C22.2#61010-2-010



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1x Thermostatic cabinet 180 liters**Brand: WTW by Xylem****Code: TS 608/2i Order No. 208450**

Compact thermostatic cabinet for up two OxiTop® IS 12 stirring platforms. It is easy to integrate into the working environment and perfectly suited for standard applications. It has two internal plugs for connecting stirring platforms.

Provide the right temperature

Incubation conforming to standards

Suited for BOD, OECD 301F, soil respiration, anaerobic degradation

Temperature adjustable in steps of 1 K between 10° and 40 °C

Eco-friendly refrigerant R600a

Full Specifications**Volumen (l) 180**

Outer dimensions (mm) H 850 W 600 D 600

Inner dimensions (mm) H 702 W 513 D 441

Net weight (kg) 34

Control range 10 °C ... 40 °C

Increment 1 K

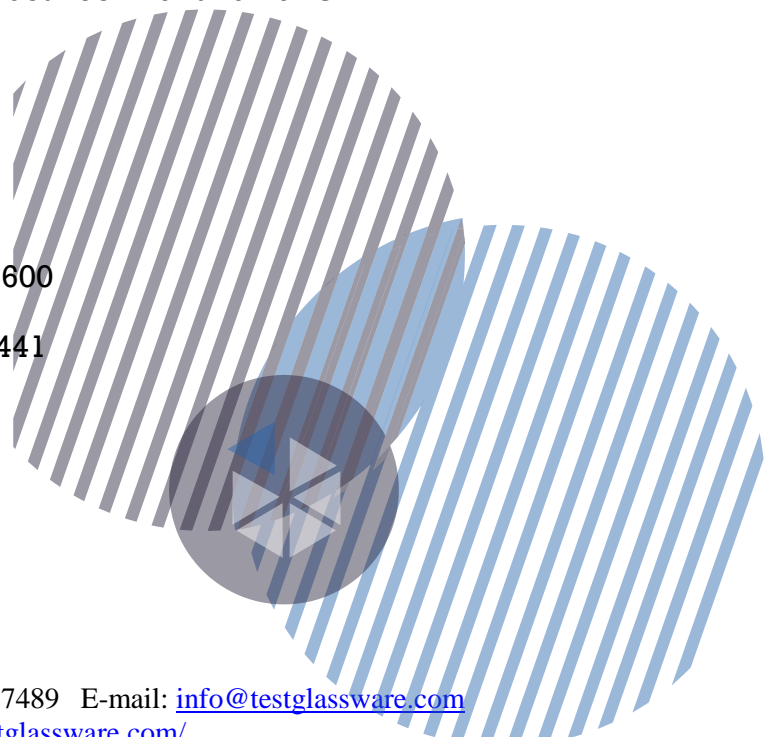
Temperature stability $\pm 0,5$ K

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Max. power consumption (W) 160

Internal sockets 2

Reagents for 25 tests 0 to 150 mg/l and 0 to 1,500 mg/l

COD low range kit 0-150 ppm

1x COD1 TC(LR)COD Chemical Oxygen Demand O2

Brand: WTW by Xylem

Code: 251990

WTW Photometric test kit for measurement of COD Chemical oxygen demand O2

Number of tests: 25 (Cuvette Test)

Sample volume required: 2ml

Compatible with photometers:

0 - 150mg/l DOC (148°C, 2h)

Reaction: Chromosulfuric acid oxidation, analogous to EN ISO 15705

Applications: Wastewater, production control, ground water, surface water

Storage: Store away from light!

COD mid-range kit 0-1500

1x COD2 TC(MR)COD Chemical Oxygen Demand O2

Brand: WTW by Xylem

Code: 251991

WTW Photometric test kit for measurement of COD Chemical oxygen demand O2

Number of tests: 25 (Cuvette Test)

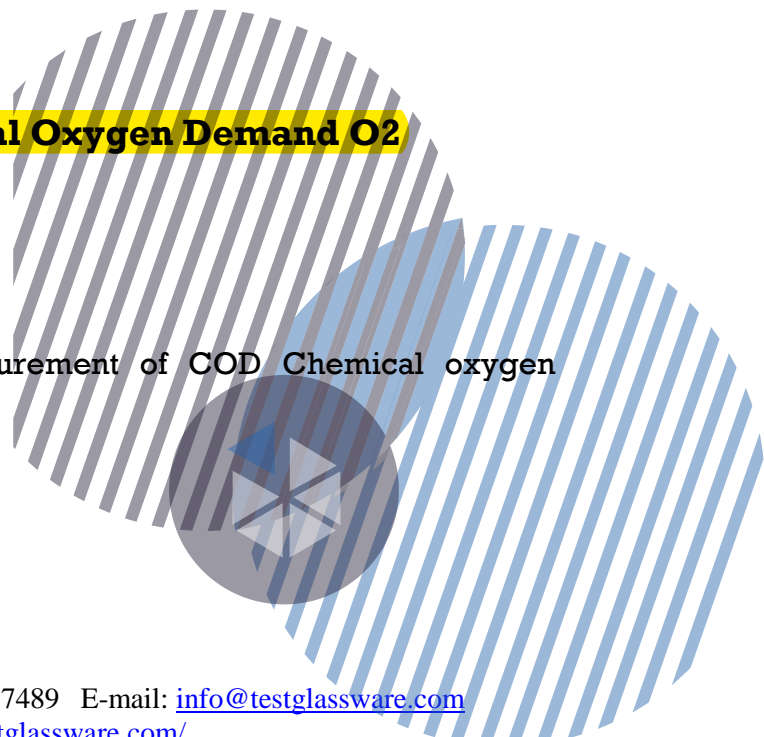
Sample volume required: 2ml

Compatible with photometers:

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0 - 1500 mg/l COD (148 °C, 2 h)

Reaction: Chromosulfuric acid oxidation, analog to EN ISO 15705

Applications: Wastewater, production control, ground water, surface water

Storage: Store away from light!

COD kit high range 0-15000 ppm

1x **COD3 TC(HR)COD Chemical Oxygen Demand O2**

Brand: WTW by Xylem

Code: 251992

WTW Photometric test kit for measurement of COD Chemical oxygen demand O2

Available ranges: **Number of tests: 25 (Cuvette Test)**

Sample volume required: 0.2ml

Compatible with photometers:

0 - 15000 mg/l COD (148 °C, 2 h)

Reaction: Chromosulfuric acid oxidation, analog to EN ISO 15705

Applications: Wastewater, production control, ground water, surface water

Storage: Store away from light!

Accessories:

1x Sodium hydroxide tablets

Brand: WTW by Xylem

Code: 209140

Sodium hydroxide pellets, **2 bottles of 50 g each**

