

### BOD measurement system OxiTop®-i IS 6/12

Easy-to-use, respirometric measuring system for determining the biological oxygen demand (BOD). The method is based on changes of pressure in a closed system using measuring heads attached to the sample bottles. The BOD can be determined simultaneously in up to 6 or 12 samples.

- No dilution of the sample required
- Direct reading of the BOD, the time course and the intermediate values on the graphical display of the measuring heads
- Input of the used sample volume directly at the measuring head
- Monitoring time between 1 and 7 days
- Permanent display of the current status at each measuring head
- Coloured measuring heads with adjustable, numerical sample identification

#### Scope of supply:

OxiTop®-i IS 6: 6 x measuring heads (3 x blue, 3 x grey), 6 x sample bottles PF600, 6 x rubber quivers, CO<sub>2</sub> absorber, nitrification inhibitor, overflow measurement flasks, 6 x stirring rods, stirring rod remover, stirring platform SI 6

OxiTop®-i IS 12: 12 x measuring heads (6 x blue, 6 x grey), 12 x sample bottles PF600, 12 x rubber quivers, CO<sub>2</sub> absorber, nitrification inhibitor, overflow measurement flasks, 12 x stirring rods, stirring rod remover, stirring platform SI 12

**An incubator is required to operate the OxiTop®-i IS. Please order separately.**

#### Specifications

Pressure range: 500 ... 1250 hPa  
 BOD range: 0 ... 4000 mg/l  
 Display: Graphical LCD, background-illuminated  
 Power supply of measuring heads: 1 x CR 2450  
 Power supply of stirring platform: 100-240 V, 50/60 Hz



Type	PK	Cat. No.
OxiTop®-i IS 6	1	7.940 936
OxiTop®-i IS 12	1	4.667 879

### Measuring heads OxiTop®-i



Menu-operated measuring heads. Output of the BOD measurement values directly on the display.

- 3 operating buttons
- Backlit graphic LCD
- Control LED
- Volume pre-selection
- Measurement duration selectable (1 to 7 days)
- Display of measuring curve
- Display of current readings

Type	Description	PK	Cat. No.
OxiTop®-i G	1 x measuring head grey	1	4.667 695
OxiTop®-i B	1 x measuring head blue	1	7.940 950
OxiTop®-i 2	1 x measuring head grey, 1 x measuring head blue	1	6.311 186
OxiTop®-i 6	3 x measuring head grey, 3 x measuring head blue	6	6.311 382
OxiTop®-i 12	6 x measuring head grey, 6 x measuring head blue	1	6.311 249
OxiTop®-i Set 2	1 x measuring head grey, 1 x measuring head blue, 2 sample bottles, 2 rubber quivers, 2 magnetic stirring rods	1	4.668 473
OxiTop®-i Set 6	3 x measuring head grey, 3 x measuring head blue, 6 sample bottles, 6 rubber quivers, 6 magnetic stirring rods	1	4.667 970

# LABORTOPS



## Stirring platforms OxiTop® for BOD measurement

These Stirring platforms have been specially developed for BOD measurement with the OxiTop® system. Software-controlled speed regulation prevents the magnetic stirrer bar from getting caught or wobbling. The speed is selected so that an optimal gas exchange with the sample takes place. The stirrer is maintenance-free and non-wearing as it contains no moving parts. The IS 6-Var model has been specially developed for use with large measuring vessels and has space for 6 measuring vessels. Its outer dimensions are identical to those of the IS 12.



### Specifications

Number of stirring positions:	6 or 12
Speed:	180 to 450 rpm
Safety class:	3, IEC 1010
IP code:	IP 30
Power supply:	Far range mains adapter 100 ... 240 V ~/50 ... 60 Hz/0.5 A

Type	Description	Dimensions (W x D x H) mm	Weight kg	PK	Cat. No.
IS 6	6-place	265 x 181 x 67	1.6	1	7.057 185
IS 12	12-place	350 x 266 x 67	3.2	1	7.091 025
IS 6-Var	6-place	350 x 266 x 67	3.0	1	7.602 857

## Incubator OxiTop® Box for B.O.D. Measurement Systems OxiTop®

Thermobox for incubating BOD samples (dilution samples or respirometric samples) at constant temperature for simple requirements. For BSB OxiTop® measuring systems with a maximum of 12 measuring places or 20 Karlsruhe bottles.

- Space-saving and compact
- Recirculation cooling for even temperature distribution
- Automatically preset to 20 °C
- Low maintenance, with automatic condensation water evaporation

### Specifications

Temperature control:	20 °C, ±0.5 K
Ambient temperature	
Storage:	-25 ... +50 °C
Operation:	+10 ... +32 °C
Power consumption:	200 W
Dimensions (W x D x H):	425 x 375 x 600 mm
Weight:	approx. 30 kg



Type	PK	Cat. No.
OxiTop® Box	1	9.920 025