

OxiTop®

OxiTop® packages are manometric measuring systems for respirometric biological degradation tests. The principle is very easy: By measuring differential pressure in a closed sample system with electronic measuring heads parameters like BOD (Biochemical Oxygen Demand), soil respiration, anaerobic digestion (biogas) and much more can be determined.

OxiTop® exists in two new lines:

OxiTop®-i for BOD measurement in waste water with direct display of the BOD value in mg/l available in ready to measure sets for immediate use.

OxiTop®-IDS for BOD measurement and demanding respirometric applications including data transfer to PC and laptop.

Technical data OxiTop®-i / OxiTop®-IDS / OxiTop®-IDS/B:

Pressure range:	500 to 1250 hPa bzw. 500 to 1500 hPa
BOD measuring range:	0 to 4000 mg/l (with Multi 36x0 to 400,000 mg/l)
Selectable measuring period:	1 to 7 days (with Multi 36x0: 0.5 h to 180 days)
Selectable sample volume:	22.7 ; 43.5 ; 97.0 ; 164 ; 250 ; 365 ; 432 ml (freely selectable with Multi 36x0 IDS)
Display:	LCD, backlit, menu controlled
Signal LED:	RGB
Battery:	1 x CR 2450



① OxiTop®-i

New: OxiTop®-i for "BOD Self Check" according to DIN EN 1899-2 (H55)

It is suited for BOD routine measurement from 1 to 7 days including automatic storing of measured values, selection of sample volume, measuring period, and output in mg/l and curve display. Manual recall intermediate values possible. All measurement parameters will be maintained, no new programming for the next measurement. Easy allocation of inlet and outlet measurement by grey and blue heads and programmable ID number.

Standard accessories:

Brown sample bottles, stirring bars, stirring bar remover, NaOH plate, rubber tube, 1 overflow graduated flask each 164 ml and 432 ml, nitrification inhibitor, stirring platform

Article	Order No.
BOD self-check measurement system OxiTop®-i IS 6	10 81 28260
Inductive stirring system with 6 OxiTop®-i measurement systems including standard accessories	
BOD self-check measurement system OxiTop®-i IS 12	10 81 28262
Inductive stirring system with 12 OxiTop®-i measurement systems including standard accessories	



② OxiTop®-IDS

OxiTop®-IDS with Bluetooth® Data Transfer for "BOD-Self Check Method" acc. DIN EN 1899-2 (H55) and for Special Applications

OxiTop®-IDS Measurement Systems for measuring 100 heads in up to 12 measurement sets with up to 12 samples including up to 12 measuring heads.

OxiTop®-IDS is a new member of WTW IDS family, supporting up to now electrochemical and optical parameters. Using a Multi 3620 or 3630 IDS in combination with IDS WLM-M module allows programming and data transfer from the OxiTop®-IDS heads. The meters are not a part of the delivery, please order separately. Support of automatic set and sample ID, also user-definable. Data and curves can be displayed, measured data can be transferred via a USB on a memory stick in a csv format into Excel®. The CO₂ absorber NHP 600 must be ordered separately for all complete sets including bottles and stirring platform.

These routines are available with Multi 3620 IDS/Multi 3630 IDS:

- BOD-Standard: including sample averaging up to 4000 mg/l
- BSB-Special including freely selectable sample volume, vessel volume, temperature and dilution factors up to 400.000 mg/l
- Pressure mode 500 to 1250 hPa (1500 hPa with OxiTop®-IDS/B heads) for soil respiration, anaerobic digestion (biogas) and more
- The measuring period can be adjusted between 0.5 h to 180 days

Article	Order No.
OxiTop®-IDS Set 6	10 81 29710
Set incl. 6 measuring units, stirring platform IS 6, accessories	
OxiTop®-IDS Set 12	10 81 29712
Set incl. 12 measuring units, stirring platform IS 12, accessories	
Multi 3620 IDS Set WL	10 81 22560
meter set including IDS WLM-M module	
Multi 3630 IDS Set WL	10 81 22570
meter set including IDS WLM-M module	
OxiTop®-IDS standard measuring head	10 81 29700
OxiTop®-IDS/B measuring head for biogas application	10 81 29701