

# BOD Self-check Measurement

## OxiTop® IS 6, IS 12

- High-precision
- 5-day automatic storage of measured values
- Portable
- Extendable



OxiTop® IS 12

### Complete packages for 6 or 12 simultaneous measurements

Measurement using OxiTop® is based on pressure measurement in a closed system: microorganisms in the sample consume the oxygen and form CO<sub>2</sub>; the CO<sub>2</sub> is absorbed by NaOH, creating a vacuum that can be measured as a mg/l BOD value.

The sample volume used regulates the amount of oxygen available for a complete BOD. Measurement ranges of up to 4,000 mg/l can be measured using different volumes.

The OxiTop® heads (green and yellow for inflow/outflow differentiation) have an AutoTemp function: if the sample

temperature is too cold, the start of measurement is automatically delayed by at least 1 hour until a constant temperature has been reached.

Apart from the automatic storage of 5 measured values (1 value per day), further measured values can be read at all times during or after the period of 5 days, which permits the tracking of check values or measurements over longer periods.

## Technical Data OxiTop® Measuring Head

Measuring principle	Manometric with pressure sensor
Measurement of	BOD <sub>n</sub>
Measurement range	0 ... 40 digit corresponding to 0 ... 40 / 80 / 200 / 400 / 800 / 2000 / 4000 mg/l BOD
Accuracy	±1 digit (corresponds to ±3,55 hPa)
Pressure range	500 - 1350 hPa
Memory	For BOD <sub>5</sub> : 1 value per day
Ambient temperature	Storage: -25 ... +65 °C (-13 ... 149 °F) Operation: +5 ... +50 °C (41 ... 122 °F)
Dimensions	H: 70 mm (2.8 in), Ø 70 mm (2.8 in)

## Ordering Information

OxiTop® complete packages		Order No.
OxiTop® IS 6	Complete package, ready for use, for 6 simultaneous measurements, with IS 6 Inductive Stirring System, universal power supply 100-240V/50/60Hz and 6 OxiTop® measuring systems, including accessories	208 210
OxiTop® IS 12-6	Complete package, ready for use, for 6 simultaneous measurements (extendable to 12 simultaneous measurements), with IS 12 Inductive Stirring System, universal power supply 100-240V/50/60Hz and 6 OxiTop® measuring systems, including accessories	208 212
OxiTop® IS 12	Complete package, ready for use, for 12 simultaneous measurements, with IS 12 Inductive Stirring System, universal power supply 100-240V/50/60Hz and 12 OxiTop® measuring systems, including accessories	208 211

