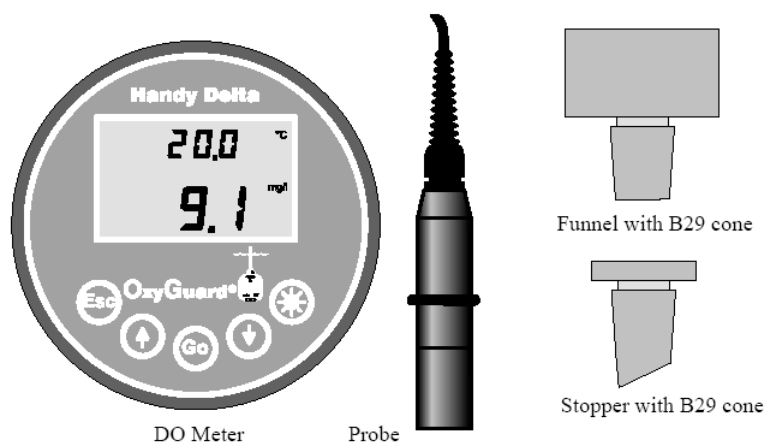


## Measurement system for BOD determination



**OxyGuard Handy BOD** permits the use of the usual procedure for the determination of the **BOD** value, but replaces chemical analysis of the oxygen content of the liquids with direct measurement. The use of an **OxyGuard DO** meter to measure the oxygen content has clear advantages over analysis:

- It is easier to avoid pollution of the sample.
- DO measurements are immediate.
- There is no cost of chemicals or analysis time.
- No liquid is removed - several measurements can be made on the same sample.
- The meter has 0.1 mg/l resolution and accuracy and true zero.
- Standard bottles can be used - the funnel and stopper have a standard B29 cone.

To use the **Handy BOD** kit place funnels loosely on the bottles to be used and fill them with the sample so that there is about **1 cm** liquid in each funnel. A stirrer magnet is placed in each bottle. If the samples are to be aerated further this should be done through the funnels. Do not place bottles with funnels in sunlight or near sources of radiant heat. Place a bottle on a slow magnetic stirrer and measure the **DO** content by lowering the probe into the bottle through the funnel. Remove the funnel - the bottle will fill completely with liquid from the funnel. Subsequent **DO** measurement can be made by lowering the probe directly into the bottles. The **BOD** values are calculated as usual.

**DO** measurement can be performed very quickly - the **Oxyguard** probe has a fast response. The O-ring on the probe body acts as a stop so that the probe rests with its tip centrally in the sample. Take care not to trap an air bubble at the membrane when the probe is lowered into the sample.

### Ordering numbers:

**H05KIT:** 1 Handy Delta, 1 funnel and stopper with **B29** cone.

**H05XFL:** 1 funnel and stopper with **B29** cone.



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