

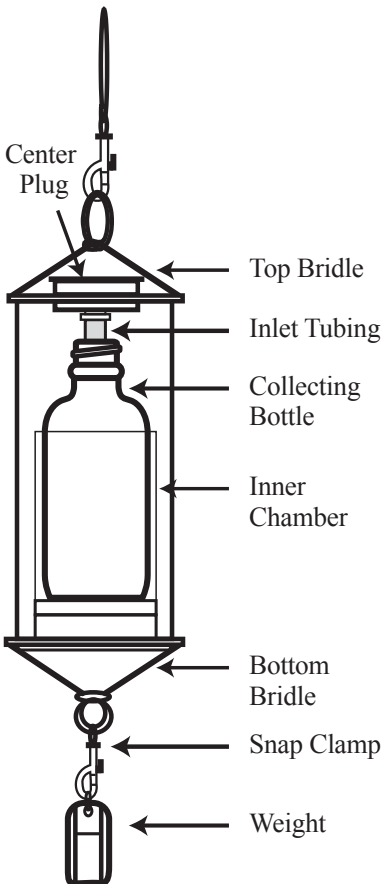


## WATER SAMPLING BOTTLE FOR DISSOLVED OXYGEN

CODE 1054-DO

QUANTITY	CONTENTS	CODE
1	Water Sampling Body	1054
1	Water Sample Collecting Bottle, 60mL, glass	0688-DO
1	Sounding Weight	1068

### INTRODUCTION



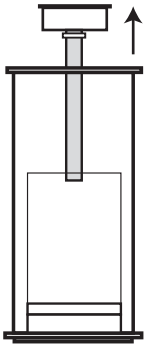
This device is designed for use in the field and is a simplified water sampler. The sample is collected in a removable inner bottle which will overflow five times to insure a representative sample. Samples may be taken at a controlled depth by using a calibrated line. Attaching the two pound weight to the bottom of the sampling device insures rapid descent and minimizes the amount of drift due to currents. More weight should be attached to the sampling device in strong currents.

It is necessary to maintain a position directly over the Water Sampling Bottle when lowering it so that it remains in an upright position. This permits the displacement of all of the air in the sampler so that it will fill completely.

It should be noted that the bubbles of air displaced from the sampler will be observed downstream.

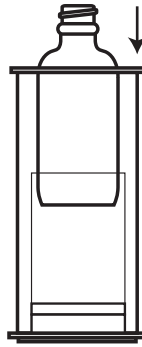
# PROCEDURE

1



Remove the plastic center plug with inlet tubing attached.

2



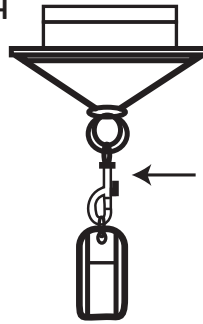
Insert the collecting bottle (0688-DO), with the cap removed, into the inner chamber of the cylinder.

3



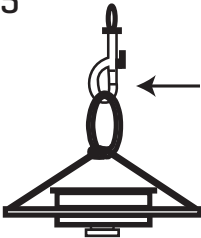
Replace the plastic center plug. Make sure the inlet tubing is in the collecting bottle.

4



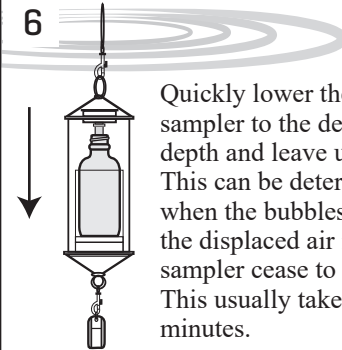
Attach the two pound weight (1068) to the bottom bridle of the sampler by the snap clamp.

5



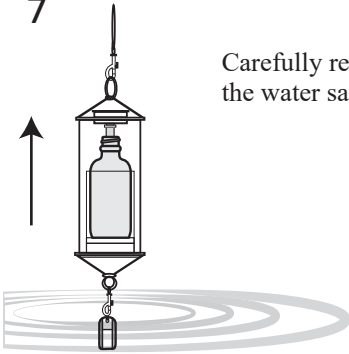
Attach the snap clamp on the calibrated line to the bridle on top of the sampler.

6



Quickly lower the water sampler to the desired depth and leave until full. This can be determined when the bubbles from the displaced air in the sampler cease to appear. This usually takes 3 to 5 minutes.

7



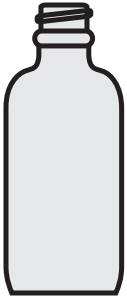
Carefully retrieve the water sampler.

8



Remove the plastic center plug to expose the collecting bottle in the inner chamber.

9



If a dissolved oxygen test is to be performed on this sample, immediately follow the test procedure included in the dissolved oxygen test kit.

10



If tests other than dissolved oxygen are to be performed on the sample, carefully cap the collecting bottle and then retrieve it from the chamber.

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