

Method Z620 – Dissolved oxygen O₂

Specification

Description:	Test for determining the content of dissolved oxygen in fresh water
Range:	1 - 10 mg/l
Resolution:	0,1 mg/l
Wavelength:	470 nm

Reagent set

Product Code	Description	List of components
8620	Set of reagents for method Z620, Dissolved oxygen O ₂ (reagents for approx. 50 tests)	<ul style="list-style-type: none"> ✓ Reagent O₂-1 ✓ Reagent O₂-2 ✓ 15 ml vial

Performing the measurement

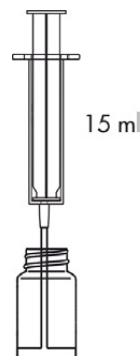
- Select the **Z620 Dissolved oxygen O₂** method (**Methods** → **Select method** → **Z620 Dissolved oxygen O₂**).
How to select the method, see [8.1 Choosing method](#).

NOTE:

It is recommended to use the **GUIDE** system by pressing the context button **GUIDE** on the photometer. It will provide you with step-by step basic instruction how to perform measurement and a timer with beeper to count down reaction time. To enable this function press the button **GUIDE**.

- Rinse the vial and the syringe three times with the tested water.

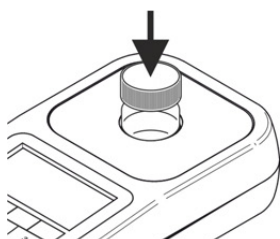
Take exactly 15 ml of the tested water with the syringe and pour into the vial.



NOTE:

Make sure no air bubbles are present in the syringe. Trapped air bubbles can affect accuracy of the measurement.

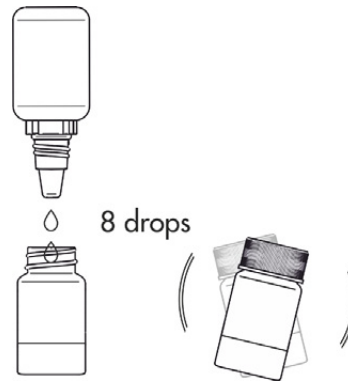
- Insert the vial into the round vial holder and press the **ZERO** key. The display will show **"-0.0-"**, which means the device is ready for measurement.



26 08 20		12:45	
O ₂	Z620 Dissolved Oxyg	tag 1	
Measuring ...			
ZERO	MEAS	GUIDE	

26 08 20		12:45	
O ₂	Z620 Dissolved oxyg	tag 1	
-0.0- mg/l			
ZERO	MEAS	GUIDE	

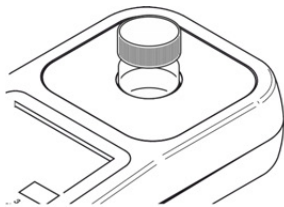
4. Add 8 drops of Reagent O₂-1 and shake to mix.
5. Add 8 drops of Reagent O₂-2 and shake to mix.



6. Before making a measurement wait exactly 2 minutes.



7. Insert the vial into the round vial holder and press the **MEAS** key to take a measurement. The result - **the concentration of dissolved oxygen** - is displayed in **mg/l (ppm)**.



26 08 20		13:00	
O ₂	Z620 Dissolved oxyg	tag 1	
Measuring ...			
ZERO	MEAS	GUIDE	

26 08 20		13:00	
O ₂	Z620 Dissolved oxyg	tag 1	
8.20 mg/l			
ZERO	MEAS	GUIDE	REC

Potential interferences

Presence of reducing and oxidizing substances

may interfere with the measurement