

## Method Z011– Alkalinity KH

### Specification

Description:	Test for determining the alkalinity in fresh water
Range:	0,5 - 20 °d
Resolution:	0,5 °d
Wavelength:	610 nm

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### Reagent set

Product code	Description	List of components
8011	Set of reagents for method Z011, Alkalinity KH (reagents for approx. 50 tests)	<ul style="list-style-type: none"> <li>✓ blister with tablets KH – 5 pcs.</li> <li>✓ crusher</li> </ul>

### Performing the measurement

1. Select the **Z011 Alkalinity KH** method (**Methods** → **Select method** → **Z011 Alkalinity KH**).  
How to select the method, see [8.1 Choosing method](#).

**NOTE:**

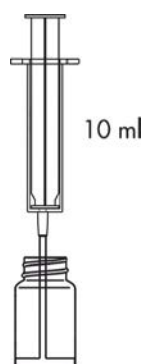
*It is recommended to use the GUIDE system by pressing the context button GUIDE on the photometer. It will provide you with step-by step basic instruction how to perform measurement and a timer with beeper to count down reaction time. To enable this function press the button **GUIDE**.*

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

Take exactly 10 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.*

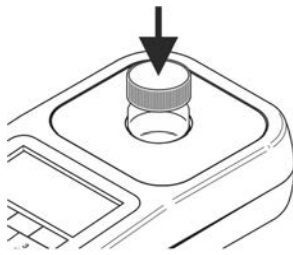


3. Insert the vial into the round vial holder and press the **ZERO** key.

**NOTE:**

*Before starting the measurement, it is highly recommended to make sure the test vial is clean and dry. Liquid residues remaining on the vial walls may adversely affect reliability of results.*

The display will show "-0.0-", which means the device is ready for measurement.



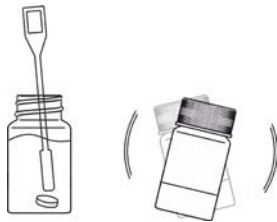
26 08 20		12:35	
KH	Z011 Alkalinity KH		
	tag 1		
<b>Measuring ...</b>			
←	ZERO	GUIDE	→

26 08 20		12:35	
KH	Z011 Alkalinity KH		
	tag 1		
<b>-0.0- dH</b>			
ZERO	MEAS	GUIDE	

4. Add one **KH tablet** into the vial with water.



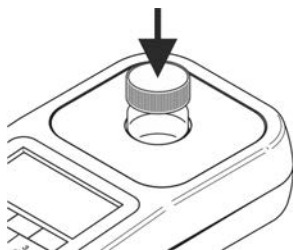
5. Crush the tablet in the vial with the crusher, recap the vial and shake until the tablet has dissolved.



6. Wait **25 seconds** before measuring.



7. Insert the vial into the round vial holder and press the **MEAS** key to take a measurement. The result – the **alkalinity KH** – is displayed in **German degrees (°d)**.



26 08 20		12:36	
KH	Z011 Alkalinity KH		
	tag 1		
<b>Measuring ...</b>			
ZERO	MEAS	GUIDE	

26 08 20		12:36	
KH	Z011 Alkalinity K		
	tag 1		
<b>10.5 dH</b>			
ZERO	MEAS	GUIDE	REC