



# Kajak Sediment Core Sampler Model 13.000

## Manual


**KC** Denmark A/S

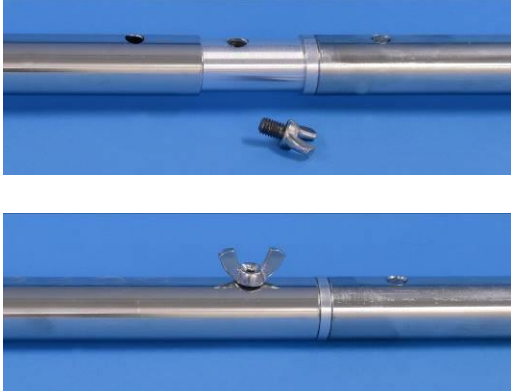

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# Kajak Sediment Core Sampler




**KC Denmark A/S is not, and cannot be held, responsible for any damage(s) made to equipment or to operators who ignore safety precautions or because of misuse or wrong operation.**



Item	Description	
1	<p>The black POM housing with the silicone contra flap supports 50 and 100 cm threaded acrylic tubes.</p> <p>During the sampling, the excess water in the tube expels via the contra flap. The water pressure will close the flap and upon raising the sampler, the vacuum at top of the sample tube prevents the sample from exiting. Tubes with threaded ends support the stainless steel carver 13.004 for protecting the tube.</p> <p>Page 4-6 shows available accessories and ordering no.</p>	

Preparation before use		
2	<p>Assembling the pole:</p> <p>Push the units together and align the holes. Insert the wingnut and fasten it.</p> <p>As option, the extension pole 13.003 allows a maximum length of 6 m; however, it may be hard to handle in small boats.</p>	
3	<p>Ensure that the inner of the core head is free of sediment or dirt.</p> <p>Screw the sample tube into the Kajak's head.</p>	

4	<p>Standard delivery comes with a 50 cm sample tube 13.001 A. The lower end is sharpen for an easier insert into the sediment.</p> <p>The tube is available with a length of 100 cm, (13.011 A).</p>	
5	<p>For hard sediment you can use either 13.002 A (50 cm) or 13.012 A (100 cm). The lower end of both tubes has a thread supporting the stainless steel carver 13.004, which will protect the acrylic tube.</p>	

<b>Sample taking</b>		
6	<p>When working on the unit in small boats or areas, which are difficult to access or hazardous, ensure to take adequate safety precautions for the operator and others in compliance with the provisions of law on health and safety at work.</p> <p>Taking a good, well-defined sample demands a half-hard sediment.</p>	

7	<p>Force down the tube into the sediment; if possible so deep, that you will get some hard sediment acting like a bung at the lower end of the tube. A very soft or muddy sample may escape, as the limited vacuum cannot hold such a sample. Photo © Gundlach.</p>	
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<b>Ejecting the sample</b>		
12	<p>After raising the corer, dismount the carver and the orange peel system.</p> <p>For later analysis, you can secure the samples with rubber bungs or caps at the tube's end(s).</p> <p>For ejecting the sample into smaller parts, adjust the small crossbar accordingly.</p> <p>Due to small variations in the inside diameter of the pipe, it may be necessary to adjust the nut at the end of the piston. Check regularly that the nut does not come loose, so the steel bar may fall off.</p>	
13	<p>Using the fraction tray demands that the sample tube is positioned in vertical position. Add the fraction tray on top of the tube and secure with the wing nut on the black part of the tray.</p> <p>The small plate can slice off the visible sample.</p>	

## Storing and Maintenance

Before storing, rinse the sampler thoroughly using fresh water. Store in open position, so the inner parts will become dry.



**Caution**

Do not use alcohol for cleaning acrylic parts.

Items, like PP/PVC/acrylic tubes, rubber seals, motor houses with or without Fluorinert, etc., and a long exposure to direct sunlight or lack of clean up for salt water might affect the durability and stability of the products and will remain uncovered by the warranty.

Replace worn component with original spare parts.

## Safety Regulations

KC Denmark A/S is not, and cannot be held, responsible for any damage(s) made to equipment or to operators who ignore safety precautions or because of misuse or wrong operation. An expert technician fully familiar with the attendant hazards must only do all maintenance and repairs.

When working with the unit in areas, which are difficult to access or hazardous, ensure to take adequate safety precautions for the operator and others in compliance with the provisions of law on health and safety at work.

Replace worn component with original spare parts.

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