





KC Water sampler
Model 11.002/003/004




Manual


KC Denmark

Research Equipment


Limnology • Oceanography • Hydrobiology



	<p align="center">Manual for Ruttner water sampler</p>	<p align="center">Model no. 11.002/003/004</p>
	<p> Caution Do not use alcohol for cleaning acrylic parts</p> <p>Application: The KC Water sampler is based on the Ruttner design. The KC Water sampler is suitable for taking samples in lakes, water borings, wells, etc. It is equipped with an internal thermometer for registration of the in situ temperature. Thermometer range: -10 to 60 °C</p> <p>KC-Denmark 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.</p>	
	<p>Mounting</p>	
<p>1</p>	<p>Draw the line through the tube on top of the water sampler and tie up a tight knot, (A).</p> <p>Recommended line: ø5 mm.</p>	

Directions for use:		
2	<p>To prepare the water sampler press the bracket down, pull the handle with the eye screw and guide it over the pin, which is now in down position.</p>	
3	<p>Release the bracket and the water sampler is now ready for use.</p>	
4	<p>When the water sampler is lowered into the water to the decided depth, you release the drop messenger and the sampler will close. The sample is now ready to be raised and examined.</p>	








5	 <p>Caution After emptying, the water sampler has to be washed out thoroughly using fresh water.</p> <p>Do not use alcohol for cleaning acrylic parts.</p>	
Troubleshooting		
6	<p>Leaking sampler: In the middle of the bottom plate there is a screw, try to loosen and ensure the sample tube will fit exactly on this plate by a slight sideways adjustment of the tube.</p> <p>Tighten the screw again, by <u>lifting the top plate and fasten the screw, down through the sample tube.</u> Check out the screw is well secured.</p> <p>The adjusting must be done very carefully and it might be necessary with some attempts to ensure the sampler is tight.</p>	

Available models

11.002	1	KC Water Sampler, 1,7 litre , Cylinder tube, acrylic, O.D./I.D. x L: 13,3/12,3 x 15 cm Total height: 63 cm Drop messenger, chromium plated brass: 500 g. Recommended line: ø5 mm.	5 kg		
--------	---	---	------	---	--

11.003	1	KC Water Sampler, 3,0 litre , Cylinder tube, acrylic, O.D./I.D. x L: 13,3/12,3 x 25 cm Total height: 73 cm Drop messenger, chromium plated brass: 500 g. Recommended line: ø5 mm.	5,5 kg		
11.004	1	KC Water Sampler, 5,0 litre , Cylinder tube, acrylic, O.D./I.D. x L: 13,3/12,3 x 43 cm Total height: 92 cm Drop messenger, chromium plated brass: 500 g. Recommended line: ø5 mm.	6,6 kg		

Other parts recommended

Order no.	Pcs.	Product	Net. weight		
17.200	1	Stuff winch, O.D. 30 cm (without line) made of strong Beaver Nylon, with two stainless AISI 316 rings inserted			
17.300	1	ø5 mm polyester line, unmarked, each meter			
17.399	1	10 m ø5 mm, polyester line, scaled each meter			
17.400	1	15 m ø5 mm, polyester line, scaled each meter			
17.401	1	20 m ø5 mm, polyester line, scaled each meter			
17.402	1	25 m ø5 mm, polyester line, scaled each meter			
17.403	1	30 m ø5 mm, polyester line, scaled each meter			

17.600	1	Mounting of stainless steel thimble + snap hook			
Spare parts					
Order no.	Pcs.	Product	Net. weight		
10.001	1	Drop messenger, 500 g. For 11.002, 11.003 and 11.004 only.	0,5 kg		
11.006	1	Rubber seal for 1,7/3,0 and 5,0 litres models. Price each: Requirement: A total of 2 pcs per sampler.			

Rev. April 8, 2005 - lkj

KC Denmark

Research Equipment
Limnology • Oceanography • Hydrobiology

E-mail: kc@kc-denmark.dk website: <http://www.kc-denmark.dk/>
 Holmbladsvej 19 – DK-8600 Silkeborg – Denmark - Tel. +45 86 82 83 47 – Fax +45 86 82 49 50
 Bank: Sydbank – S.W.I.F.T. SYBKDK22 IBAN DK5070460000104832 or
 Bank: Danske Bank – S.W.I.F.T. DABADKKK IBAN6730003462779860
 CVR no. DK 86 16 15 16