

TECHNICAL ASSISTANCE FORM - CONDUCTOMETER

Make sure to fill (in **CAPITALS !**) the complete checklist (all points!) and send a copy to Consort:
fax:+32/14/429179 • e-mail: support@consort.be

Tip! download "More about conductivity" from www.consort.be for more information!

1. model:	2. serial number:	3. purchase date:	4. purchased from:
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5. organisation:			
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6. division:			
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7. name:		8. first name:	
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9. address:			10. street number:
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11. postal code:	12. city:	13. country:	
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14. telephone:	15. telefax:	16. e-mail:	
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Very important for all next steps!

- only **fresh** calibration solutions should be used!
- all calibration solutions should be maintained at **room** temperature.
- rinse the electrode **twice** between measurements: first thoroughly in distilled water and then with a small amount of the next solution to be measured.
- always **stir** the solutions while measuring (use a magnetic stirrer!).
- allow the electrodes **sufficient** time to stabilise while measuring (a stability indicator on most of our meters prompts the user when readings should be taken).
- **Never calibrate during this test!**

Perform the following steps:

17. store the conductivity electrodes in distilled water with some detergent overnight (**OBLIGED!**).
18. prepare a fresh calibration solution of 0.01 M KCl (1413 $\mu\text{S}/\text{cm}$ at 25°C).
19. reset the meter (**OBLIGED!** switch on while holding MODE pressed).
20. select the conductivity mode (**OBLIGED!**).
21. leave the conductivity input open and read the display:
22. connect a 1000 ohm resistance to the conductivity input, read display:
23. connect conductivity cell, rinse, dip in the cal. solution, read display:
24. connect new conductivity cell, rinse, dip in cal. solution, read display:
25. what is the temperature of the solutions?
26. if any alarm occurs, what is **EXACTLY** shown on the display(s) ?

	$\mu\text{S}/\text{cm}$
	$\mu\text{S}/\text{cm}$
	$\mu\text{S}/\text{cm}$
	$\mu\text{S}/\text{cm}$
	°C

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