

## TECHNICAL ASSISTANCE FORM - ION METER

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](mailto:support@consort.be)

**Tip!** download "More about ion selective electrodes" from [www.consort.be](http://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:			
<input type="text"/>			
6. division:			
<input type="text"/>			
7. name:		8. first name:	
<input type="text"/>		<input type="text"/>	
9. address:			10. street number:
<input type="text"/>			<input type="text"/>
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. prepare the ion selective electrode (ISE) according to its manual (**OBLIGED!**).
18. prepare a fresh ISA solution.
19. prepare a fresh calibration solution of 1000 ppm and add 2% of ISA solution.
20. prepare a fresh calibration solution of 100 ppm and add 2% of ISA solution.
21. reset the meter (**OBLIGED!** switch on while holding MODE pressed).
22. select the mV mode (**OBLIGED!**).
23. short-circuit the pH/mV input (e.g. use a paper clip), read display:
24. connect ISE, rinse, dip in 100 ppm calibration solution, read display:
25. rinse ISE, dip in 1000 ppm calibration solution, read display:
26. what is the temperature of the solutions?
27. if any alarm occurs, what is **EXACTLY** shown on the display(s) ?

<input type="text"/>	mV
<input type="text"/>	mV
<input type="text"/>	mV
<input type="text"/>	°C

<input type="text"/>
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