

TECHNICAL ASSISTANCE FORM - pH 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

Tip! download "More about pH" 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:	
<input type="text"/>		<input type="text"/>	
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 pH electrodes in a 3...4 KCl solution (e.g. B520) for 1 hour (**OBLIGED!**).

18. prepare 2 fresh buffer solutions: 7.00 pH and 4.00 pH.

19. reset the meter (**OBLIGED!** switch on while holding MODE pressed).

20. select the mV mode (**OBLIGED!**).

21. short-circuit the pH/mV input (e.g. use a paper clip), read display:

mV

22. connect pH electrode, rinse, dip in first buffer (7), read display:

mV

23. rinse the pH electrode, dip in second buffer (4), read display:

mV

24. connect **new** pH electrode, rinse, dip in first buffer (7), read display:

mV

25. rinse the pH electrode, dip in second buffer (4), read display:

mV

26. what is the temperature of the solutions?

°C

27. if any alarm occurs, what is **EXACTLY** shown on the display(s) ?

<input type="text"/>
