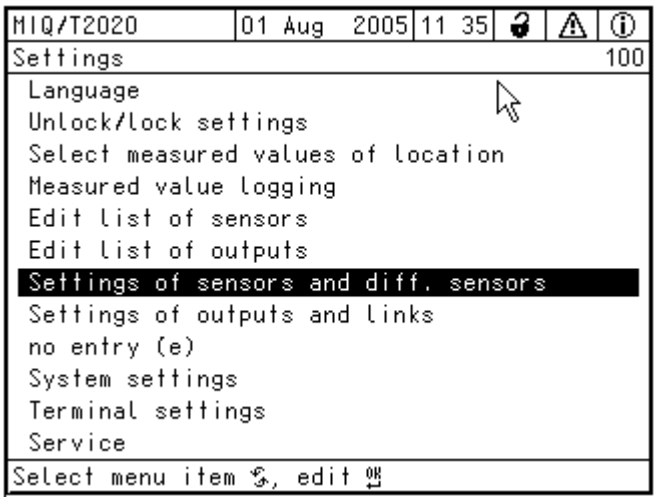


NitraLyt 700 IQ

2-point calibration in standard solutions

(as the initial calibration and for checking the slope)

Procedure:



1 Call up the Einstellungen/Settings menu with (S). Highlight the *Settings of sensors and difference sensors* menu with (↻) and confirm with (OK).

2 Highlight the sensor to be calibrated and confirm with (OK).

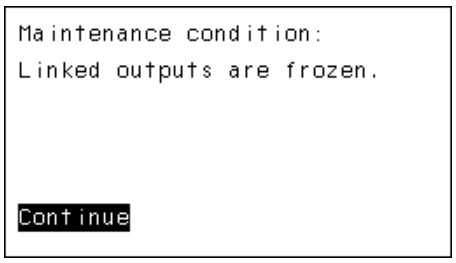
3 In the setting menu of the sensor, set the 2 point standard (3) calibration procedure.

4 Switch on the initial calibration if necessary (first calibration with new electrode).

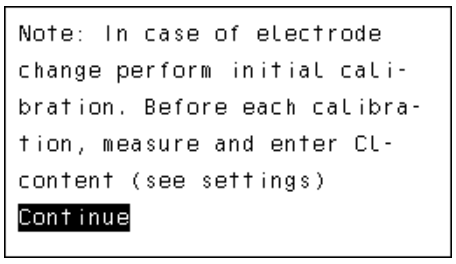
5 Highlight the *Save and quit* menu item and confirm with (OK).

6 Switch to the measured value display with (M) and highlight the sensor to be calibrated with (↻).

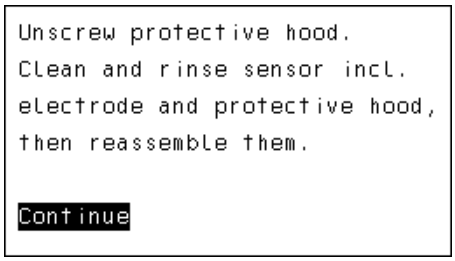
7 Press (C). The message *maintenance condition* comes up.



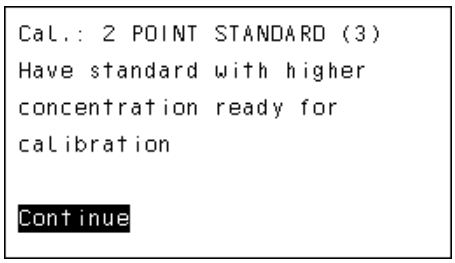
8 Press (OK) to continue.



9 Press (OK) to continue.

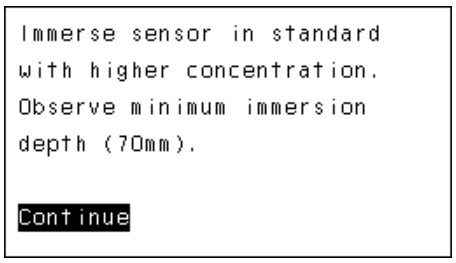


10 Press (OK) to continue.

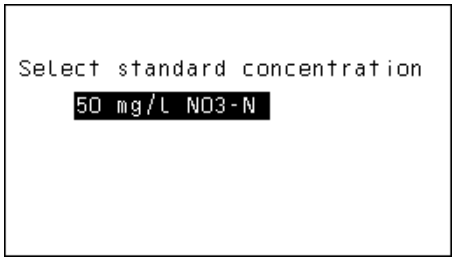


11 If the required calibration procedure is displayed, press (OK) to continue.

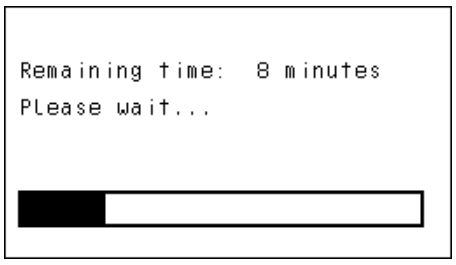
If a different calibration procedure is named, press (ESC) to escape from the calibration procedure and set the correct calibration procedure (see previous page).



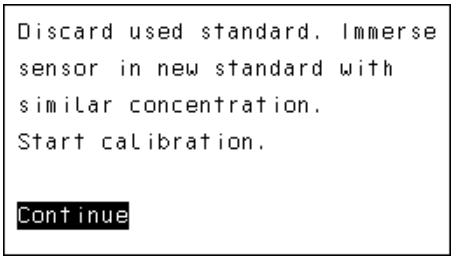
12 Immerse the sensor in the standard solution with higher concentration and press (OK) to continue.



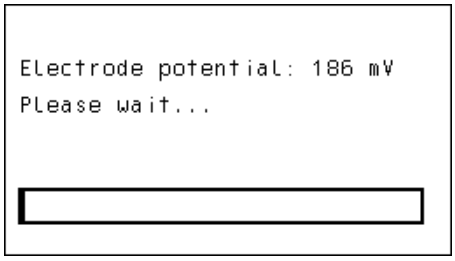
13 Set the concentration of the standard solution with (↻) and press (OK) to continue.



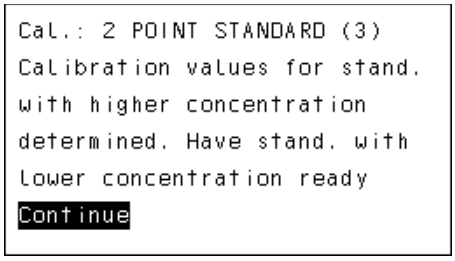
14 Wait for the conditioning time to expire.



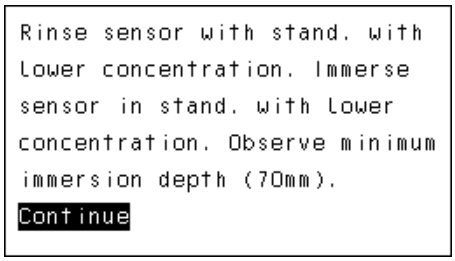
15 Discard used standard.
Immerse the sensor in new standard solution with similar concentration and press (OK) to continue.



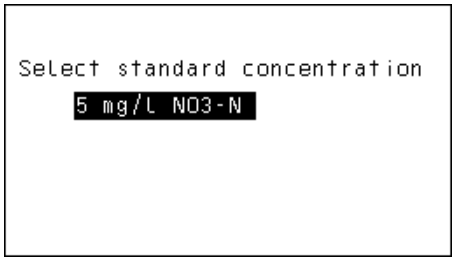
16 The electrode voltage is measured.
As soon as the measured value is stable, the next display appears.



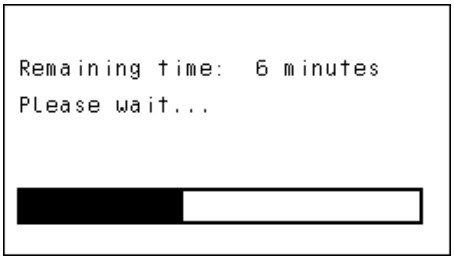
17 The calibration values for the standard have been determined.
Press (OK) to continue.



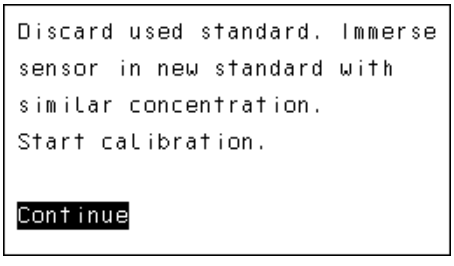
18 Rinse the sensor, immerse it in the standard with lower concentration and press (OK) to continue.



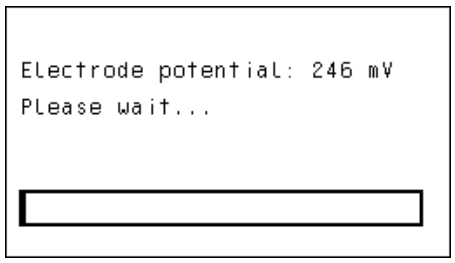
19 Set the concentration of the second standard solution with (↻) and press (OK) to continue.



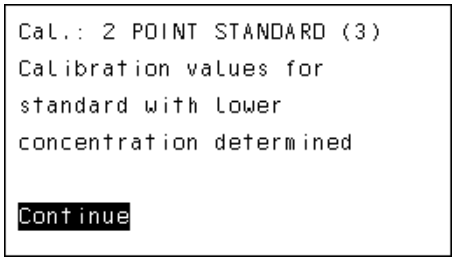
20 Wait for the conditioning time to expire.



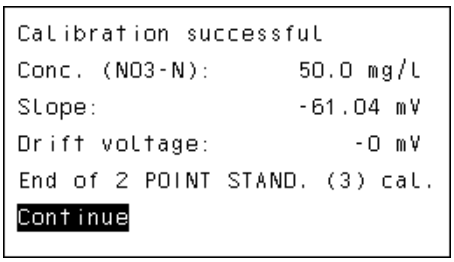
21 Discard used standard.
Immerse the sensor in new standard solution with similar concentration and press (OK) to continue.



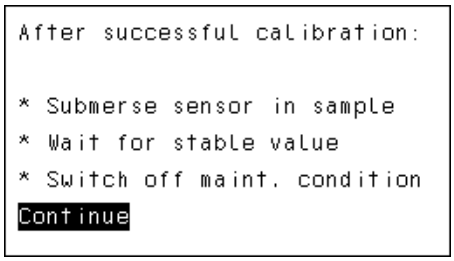
22 The electrode voltage is measured.
As soon as the measured value is stable, the next display appears.



23 The calibration values for the second standard have been determined.
Press (OK) to continue.



24 The values for concentration (NO3-N), slope and drift potential are displayed.
The calibration is finished.
Press (OK) to continue.



25 Press (OK) to close the message *After successful calibration*.
The measurement display comes on, flashing. This means that the sensor is still in maintenance condition.

If the calibration was not successful, a corresponding message appears. More information on this is available in the log book and calibration history (see system operating manual).

Resuming measurement:

26 Submerse the sensor in the sample.

27 Wait until the measured value is stable enough to switch off the maintenance condition.

28 Highlight the sensor and press (OK). The *Display / Options* menu appears.

29 Highlight the menu item *Switch maintenance condition on/off* and press (OK).

30 Highlight *Continue* and press (OK) to confirm.

31 Press (M) to return to the measurement screen.

Note:
The determined calibration data is stored in the sensor. This means the current slope and drift potential is stored. Subsequently carry out a calibration using a reference value.