
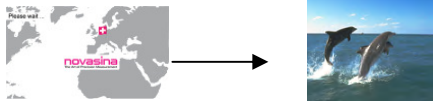




## A quick guide how to operate the LabTouch-aw


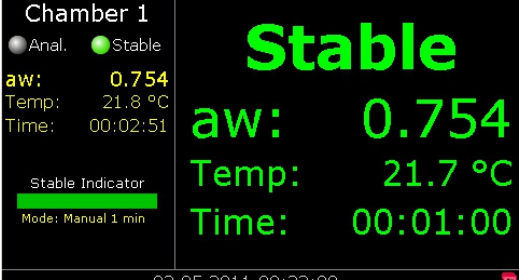
### Switch ON

Make sure that the instrument is connected to power.

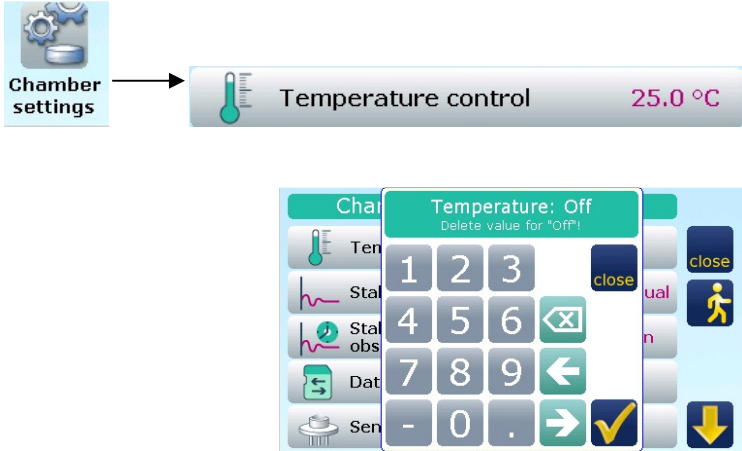
|  |   |
|--|---|
|   | <p>To start the instrument, press the black button on the front of the instrument</p>   |
|   | <p>Start-up sequence is initialized</p>   |
|  <p>Chamber 0   Chamber 1   Chamber 2</p> <p>Anal. Stable   Anal. Stable   Anal. Stable</p> <p>aw: 0.553   aw: 0.754   aw: 0.496</p> <p>Temp: 24.1 °C   Temp: 22.2 °C   Temp: 22.7 °C</p> <p>Time: 00:18:40</p> <p>Stable</p> <p>aw: 0.754</p> <p>Temp: 21.7 °C</p> <p>Time: 00:01:00</p> <p>Please touch display to access the menu!</p> | <p>After completing, the measurement screen is displayed. By touching anywhere on this screen, the main menu screen is accessible</p> |
|  <p>Start   Stop</p> <p>0 Analyzing Stable</p> <p>1 Analyzing Stable</p> <p>2 Analyzing Stable</p> <p>Chamber settings   System settings</p>   | <p>Main menu screen</p>   |

-> Instrument is ready:


### Quick start

|   |   |
|---|---|
|    | <p>Place product sample in the measurement chamber, close cover and press the start button in the main menu screen. The instrument switches then to the measurement screen. A yellow-coloured LED is blinking indicating that the measurement is currently ongoing.</p> |
|  <p>Chamber 1</p> <p>Anal. Stable</p> <p>aw: 0.754</p> <p>Temp: 21.8 °C</p> <p>Time: 00:02:51</p> <p>Stable Indicator</p> <p>Mode: Manual 1 min</p> <p>Stable</p> <p>aw: 0.754</p> <p>Temp: 21.7 °C</p> <p>Time: 00:01:00</p> <p>02.05.2011 09:33:09</p> | <p>Once the measurement is stable, it will be displayed in green colour and indicated by a green LED. All the information as aw-value, temperature and stable time are displayed.</p>   |

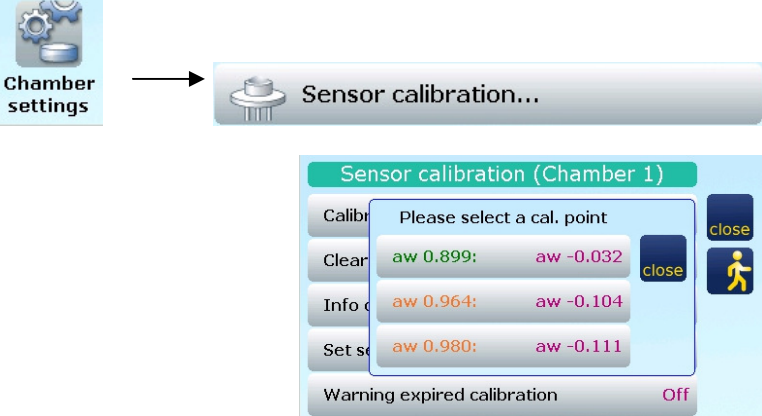
## Select measurement temperature



Push "chamber settings" on the main menu screen, then choose menu "Temperature control" and enter the requested temperature, which has to be set at least two degrees (2°C) over lab temperature. This is due the fact that the LabTouch-aw can heat but not cool. Programmable temp. range is 15°C....30°C

Delete temperature value by pushing the  button if you do not want to control temperature

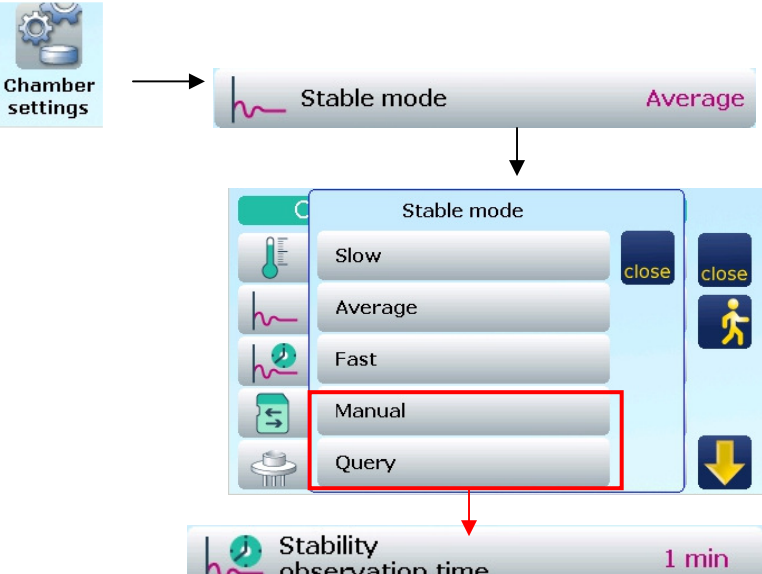
## Calibrate aw



Place the appropriate SAL-T standard in the measurement chamber, close it and wait 45 minutes.

Then push "chamber settings" on the main screen and choose menu "sensor calibration". Select "Calibrate sensor" and choose the respective value if more than one possible cal. point is displayed. Answer the subsequent query with "YES". If the instrument ask for a sensor password, enter "8808" (default password) or your programmed one. DO not forget to note your personal password if used!

## Select Stable Mode



Stable value is considered if the change in aw-value is not more than 0.001aw within the programmed stability time. It is NOT the measurement time!

Push "chamber settings" on the main screen, then choose menu "Stable mode". You can select predefined modes:  
**F** (Fast) = Stability time of 2 minutes  
**A** (Average) = Stability time of 4 minutes  
**S** (Slow) = Stability time of 6 minutes

Or if you want to enter a value in minutes, you can choose "Manual"(enter a value manually) or "Query" (you will be asked for entering a stability time each time you start a measurement.

In this case, an additional menu point (Stability observation time) appears

## Chamber Settings

|  |   |
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|  | <p>It is possible to</p> <ul style="list-style-type: none"> <li>• program <b>measurement temperature</b> or switch off temperature control</li> <li>• select <b>stability parameter aw</b></li> <li>• set <b>data logger</b> properties</li> <li>• Gather system and sensor information</li> <li>• go into <b>calibration details</b>: see all calibrated points, clear calibration, calibrate, set calibration reminder, set a sensor password.</li> </ul> <p><b>Why set a sensor password?</b><br/>A sensor can be protected against erroneous calibration in a different instrument.</p> |
|--|---|

## System Settings

|  |  |
|--|--|
|  | <p>It is possible to</p> <ul style="list-style-type: none"> <li>• set the date and time, the date format and units (aw or %rH, °C or °F)</li> <li>• select the <b>stable signal duration</b> and key beep</li> <li>• Change printout protocol settings</li> <li>• Reset to <b>factory settings</b></li> <li>• Modify display settings as contrast etc.</li> <li>• <b>Perform system update</b> (update file on SD-card required)</li> <li>• <b>set option code</b>, if upgrade from basic to advanced version is requested (upgrade code must be purchased at Novasina)</li> </ul> |
|--|--|

## Shut down



Simply press the shut-down symbol in the main screen

## External Chambers "LabClick-aw"

Up to two external measurement chamber can be connected to a **LabTouch-aw** advanced. All settings of those chambers must be made on the **LabTouch-aw**. Just select the appropriate chamber to change settings or display values.

Attention! This capability is not activated on a **LabTouch-aw** basic. If external chambers are needed, an upgrade to **LabTouch-aw** advanced is required.