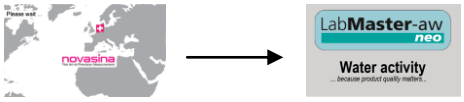
novasina
The Art of Precision Measurement

A quick guide how to operate the

*Lab***Master**-aw neo

Switch ON

Make sure that the instrument is connected to power.

	To start the instrument, press the ON/OFF switch in the right lower corner of the front of the instrument
	Start-up sequence is initialized
	After completing, the measurement screen is displayed. By pressing the Main Menu button, the main menu screen is accessible
	Main menu screen

-> Instrument is ready

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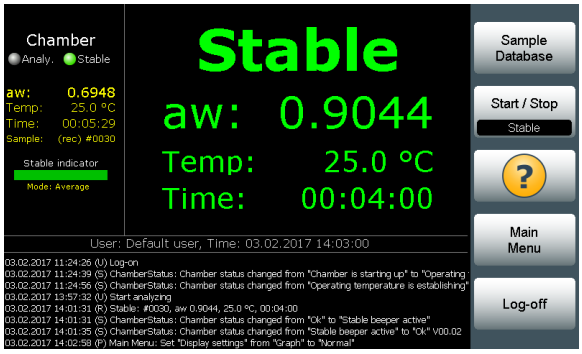
Quick start

 	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 as well as "Analyzing" is displayed in the start/stop button.
	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.

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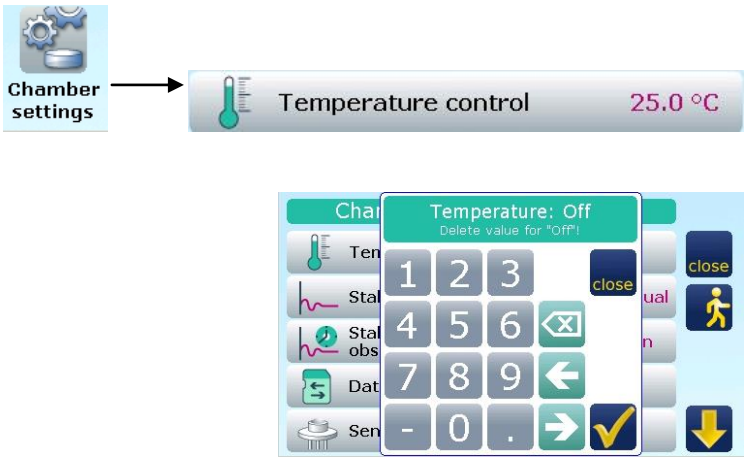
Select measurement temperature

	Push "chamber settings" on the main menu screen, then choose menu "Temperature control" and enter the requested temperature. Programmable temp. range is 0°C….60°C (32°F…..140°F) Delete temperature value by pushing the  button if you do not want to control temperature

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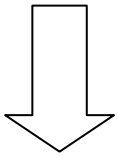
Calibrate aw



Take the respective salt standard and place it on the RFID reader in the measurement chamber (indicated with RFID symbol) until you hear a short beep, then move the standard to the measurement position and close the measurement chamber.

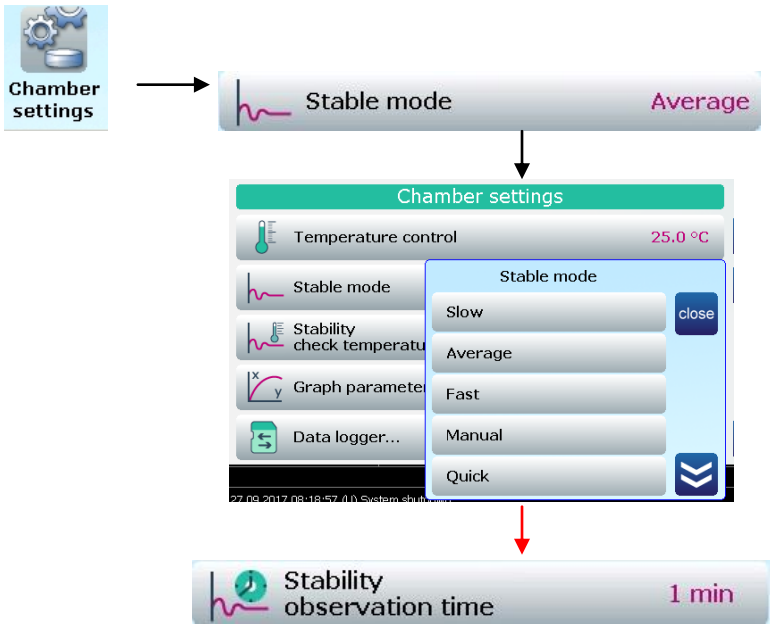
Query Window (Verify, Calibrate, Cancel) is displayed.

Please select „CALIBRATE“ to start calibration process. If you have not closed the measurement chamber yet, a respective message appears.
If sensor is password protected, you will be prompted to enter it now.
Then calibration is started and performed automatically. It can take between 16 to 120 mins. During this process, „Calibrate“ is displayed in the start/stop button. To abort the process at any time, simply press start/stop button.

Once finished, stable beep is issued as an acoustic signal and a window containing a calibration successful or calibration failed note is displayed.

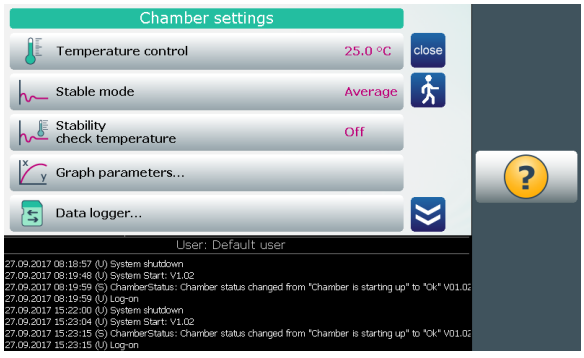
As long as the measurement chamber is not opened, you can retrigger calibration as often as required. to do so, go to „Chamber Settings“ -> „Sensor calibration“ -> „Retrigger sensor calibration“

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
Quick = Special mode for quick measurement, finish within 10 mins but might be less accurate
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

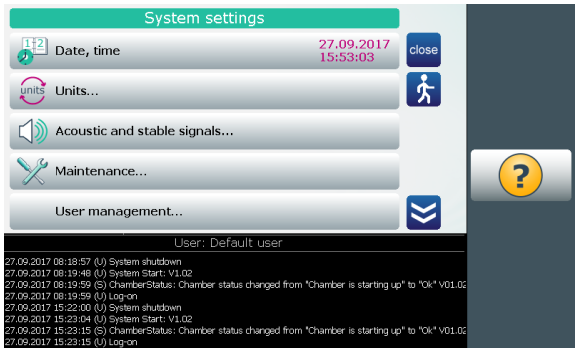
Chamber Settings



It is possible to

- program **measurement temperature** or switch off temperature control
- select **stability parameter aw**
- set **data logger** and graph parameters
- go into **calibration details**: see all calibrated points, clear calibration, calibrate, set calibration and filter exchange reminder, set verification tolerance or set a sensor password.
  Gather system and sensor information

System Settings



It is possible to

- set the **date and time,** the date format and units (aw or %rH, °C or °F
- select **acoustic and stable signals**
- Set **connection interface**
- Export **audit trail**
- Import or export **instrument configuration**
- Reset to **factory settings**
- Modify display settings as contrast etc.
- **Perform system update** (update file on SD-card required)
- **Set option code**

Shut down

Simply press the ON/OFF switch and let the system shut-down properly and completely.

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