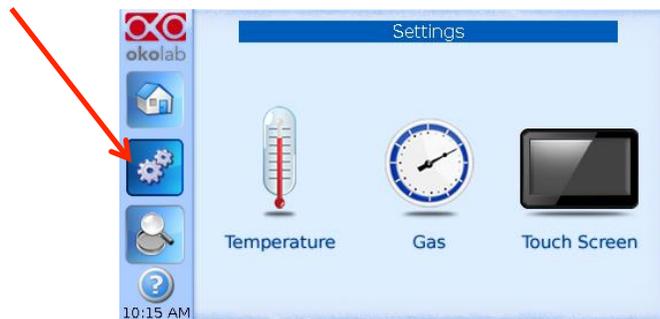<u>Operating Instructions –Quick Reference Guide-</u>

This document is a quick reference guide. It is meant to give quick visual instructions on how to operate the device. This document does NOT substitute the Instruction Manual. Please read the instruction manual as well.

Switch touch screen ON. Switch is on left hand side of device.

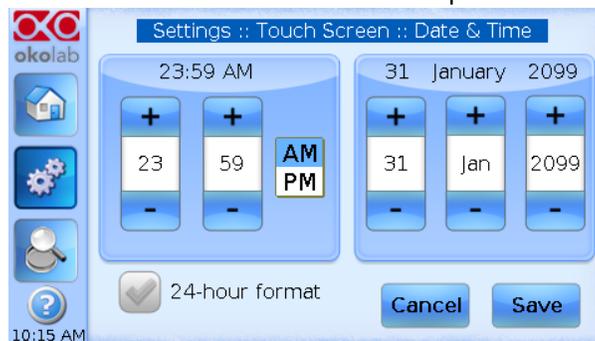<u>Set date and time:</u>
Press the 'gear icon' and then 'Touch Screen'

Next press "Date and Time"

Use + and – to set correct date/time and then press "Save"

<u>Press "home" icon if you want to go back to the home page.</u>

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Set alarms:

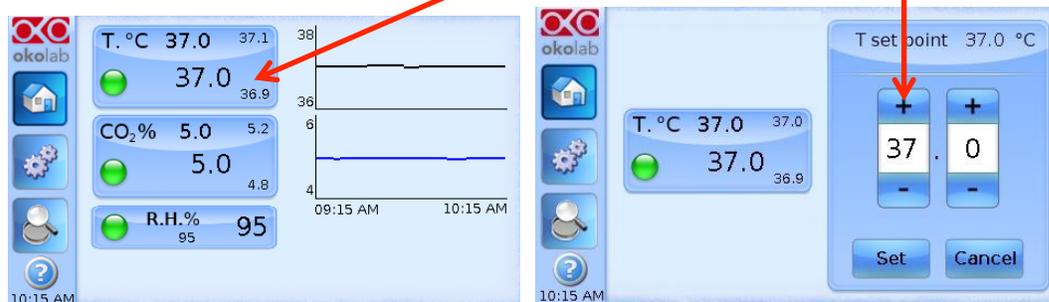Press the 'gear icon' and then 'Touch Screen'

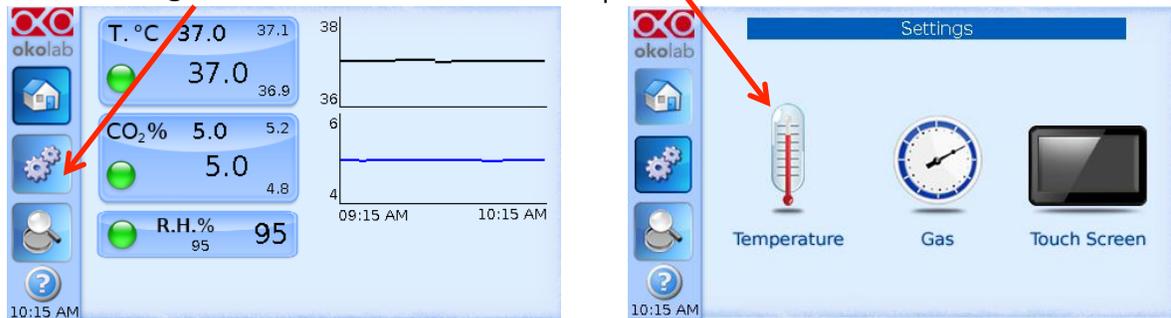Next press "Alarms" and uncheck 'buzzer'

Set Temperature: Press 'home' icon

To change set point press the T window and adjust to the desired set point.
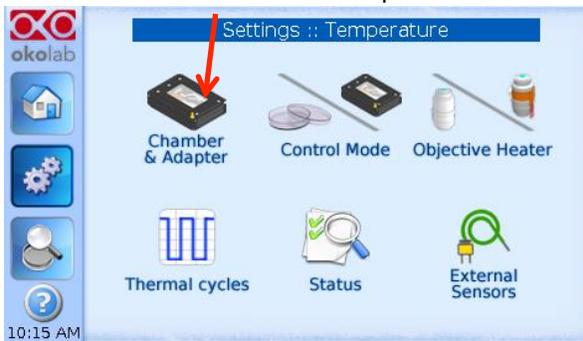
NEXT select the chamber and insert in use:

Press the 'gear' icon and then the 'temperature' icon
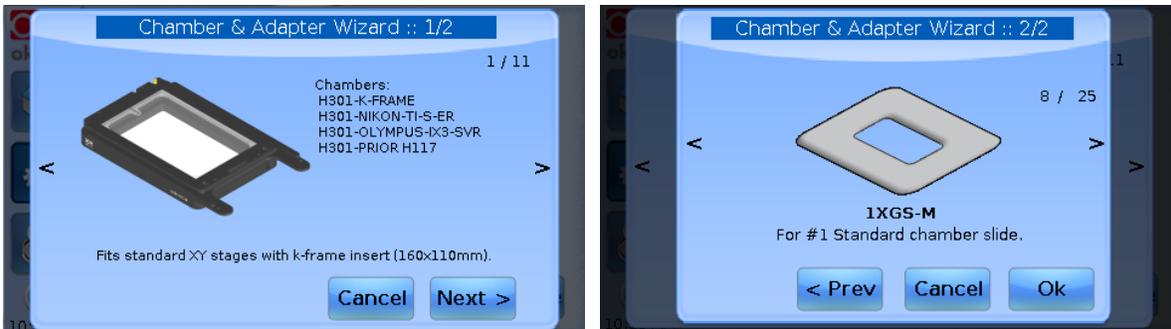
Press "chamber and adapter'   Press 'Change'

Select the chamber you have by pressing on the arrows '<' and '>' on the edges of the screen until you find the chamber you have. Once you find your chamber press 'NEXT' to access the inserts and follow the same procedure until you find the insert you have. Press 'OK' to select it. See an example here:

Please note that part numbers for incubating chambers have recently changed. You may have a version of the OKO-TOUCH still listing old part numbers. For instance H301-K-FRAME corresponds to the old part number H301-EC-BL, similarly H301-NIKON-TI-S-ER was H301-EC-BL plus the fixing tool TIPA. In that case choose the chamber to select accordingly and do not hesitate to contact Okolab if you have any doubt.

Set 'Control Mode': Press the 'gear' icon and then the 'temperature'

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icon.

Press 'Control Mode', next press 'Sample' If you want to use the thin green thermocouple in a reference well as feedback.

NOTE: if you do so, please make sure to place the thin green thermocouple in a reference well filled with water. Make sure the end of the thermocouple is fully immersed. Use the Okolab SENSOR LID-35, or alternatively tape, to hold the thermocouple in place. Close the reference well with the SENSOR LID-35, or alternatively with its own plastic lid.

Press 'Chamber' if you want to use the feedback sensor embedded in the chamber. Press 'Save'.

The system may ask you if you want to calibrate. Please know that it takes several hours. It is not necessary if the room temperature is within 1C from 23C. If the room temperature differs by more than 1C from 23C you can calibrate OR you can operate in sample feedback mode. Select 'Sample' and make sure to insert the green thermocouple into a reference well. Ensure that the tip of the thermocouple is fully immersed in liquid. You can use tape to hold the thermocouple in place.

Set objective heater if you are using it: Before enabling it, make sure it is already installed around your objective, and that it has been correctly connected to the Temperature Control Unit.

Press on 'objective heater' press 'enabled' or 'disabled' depending on your needs. Press 'save'
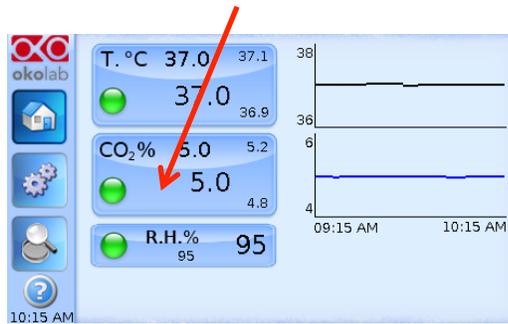
==This screen will appear: be aware that if you calibrate it will take several hours. Press 'use factory'.==
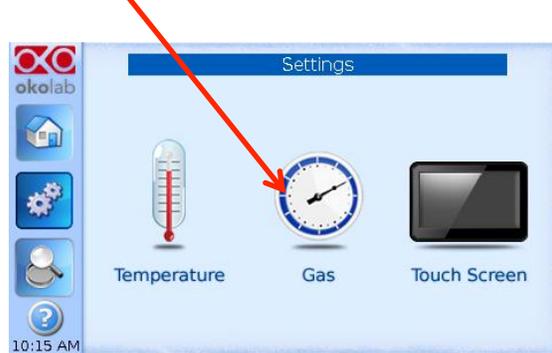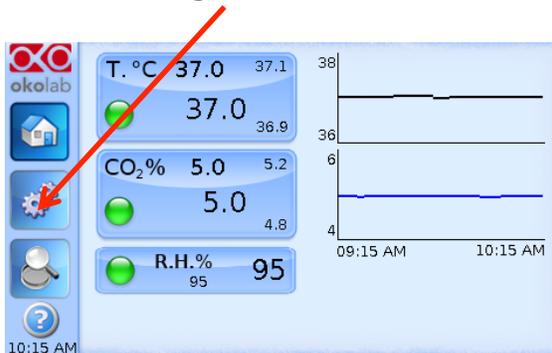

Set CO$_2$: Press 'Home' icon

To change set point press on the CO$_2$ % window and use + and – to adjust to desired CO$_2$ %
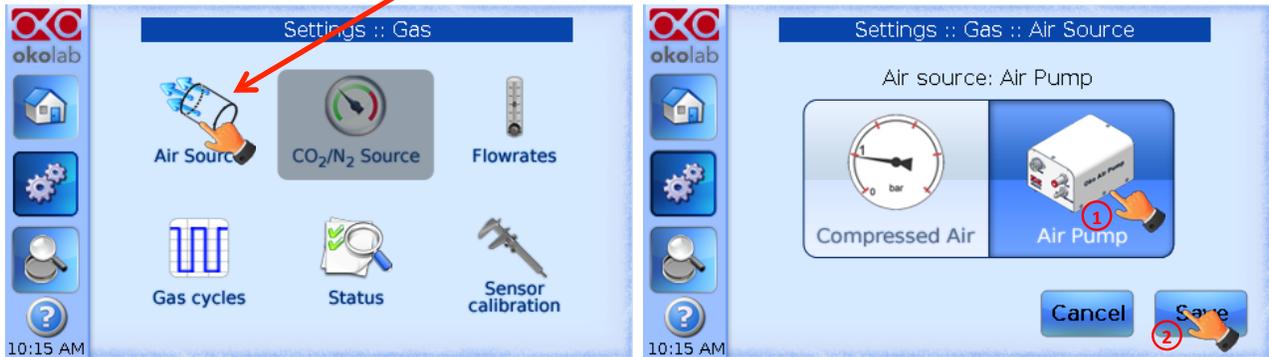

NEXT select the Air Source you are using:

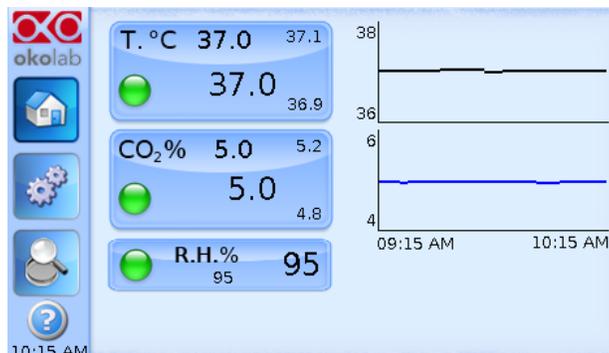Press on the 'gear' Icon and then on the 'Gas' icon

The 'Setting: Gas' window will open. Press 'Air Source'. Select 'Compressed Air' if you are using compressed air from a central line or an independent air pump. Select 'Air Pump' if you are using Okolab OKO-AIR-PUMP-BL
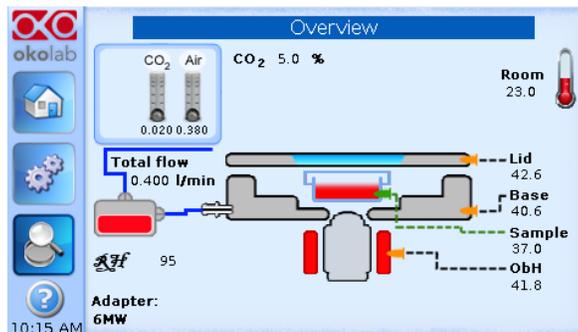

Set Humidity %: press on 'home' icon

To change set point press on the R.H. % window and use + and – to adjust to desired Relative Humidty (R.H.)%

If you press the 'magnifying glass' icon you will see this screen summarizing all the parameters in your system.

For further information contact:

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