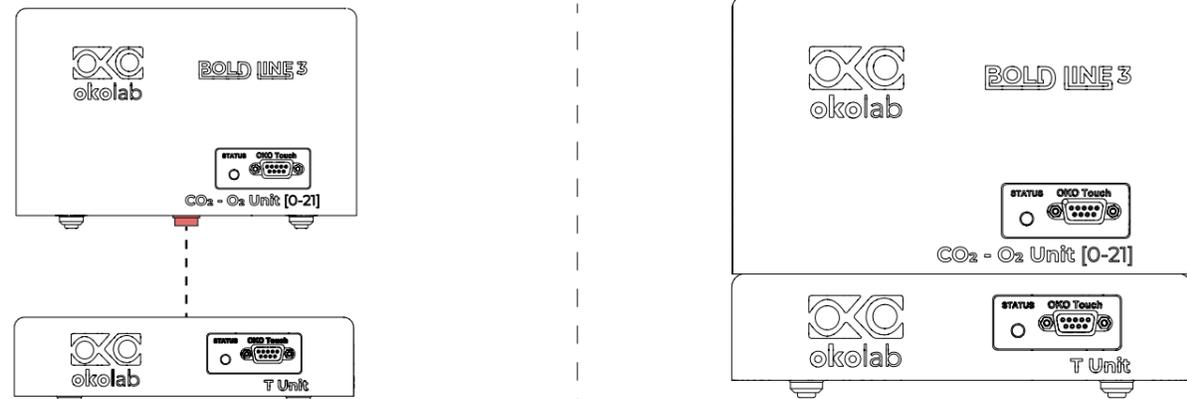
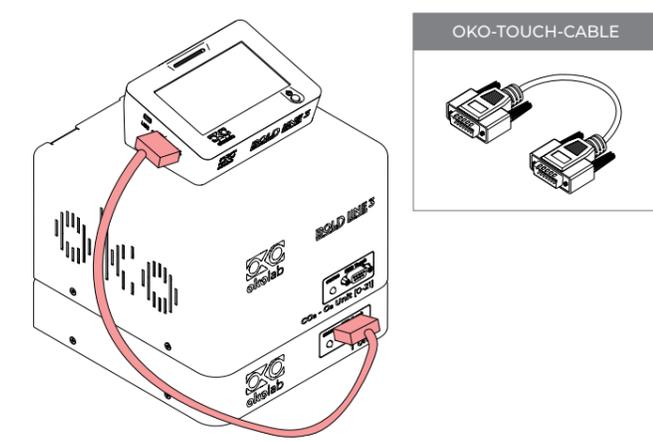


# 1. Equipment Installation

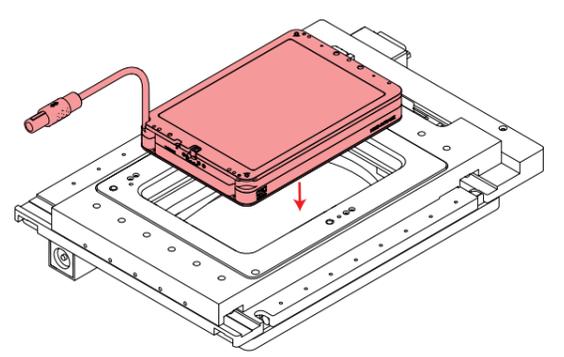
**STEP 1** Install on stack the CO2-O2-UNIT [10-21]-BL3 on the H303-T-UNIT-BL.



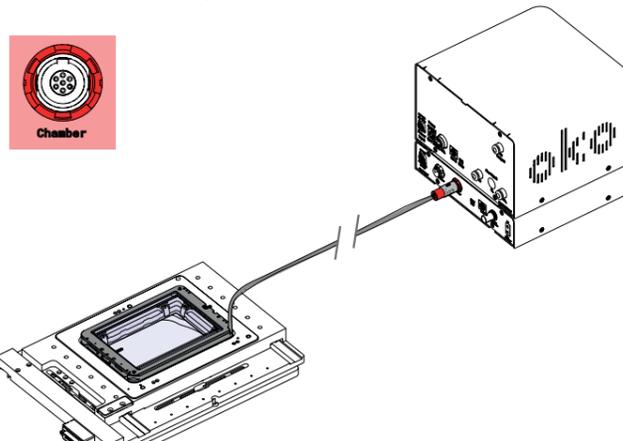
**STEP 2** Connect the OKO-TOUCH to the H303-T-UNIT by using the OKO-TOUCH-CABLE.



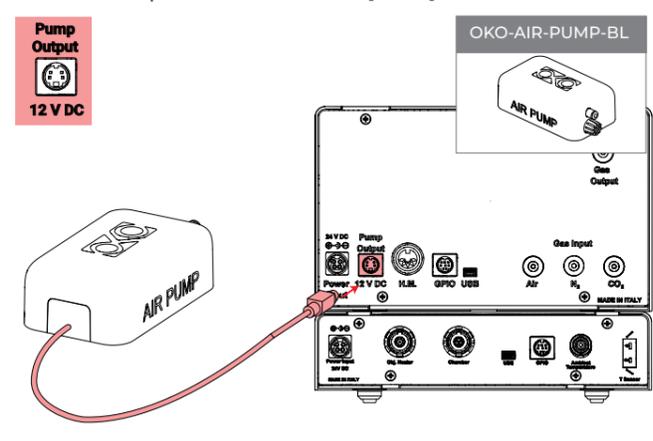
**STEP 3** Install the chamber on the stage.



**STEP 4** Plug the on-stage chamber connector to the Chamber port on the rear panel of the H303-T-UNIT-BL.

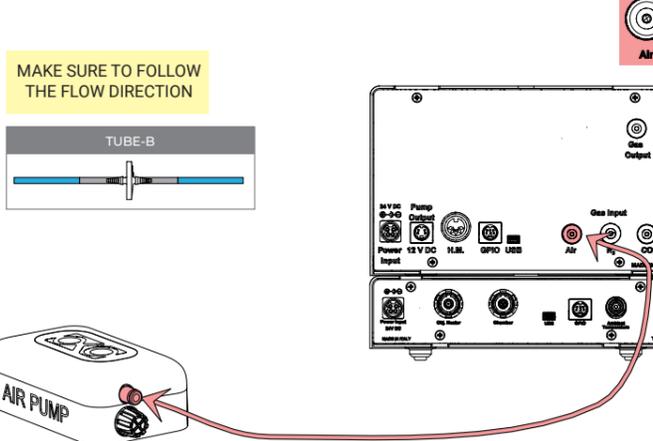


**STEP 5** Connect the OKO-AIR-PUMP to the Pump Output port on the rear panel of CO2-O2-UNIT [10-21]-BL3.

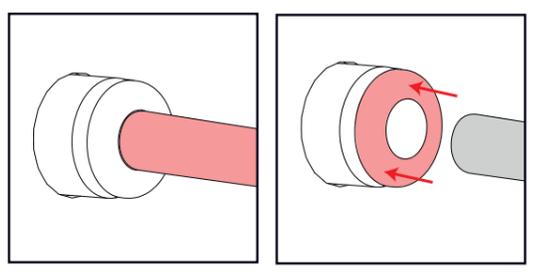


**STEP 6** Connect the OKO-AIR-PUMP-BL to the Air port by using the TUBE-B.

MAKE SURE TO FOLLOW THE FLOW DIRECTION

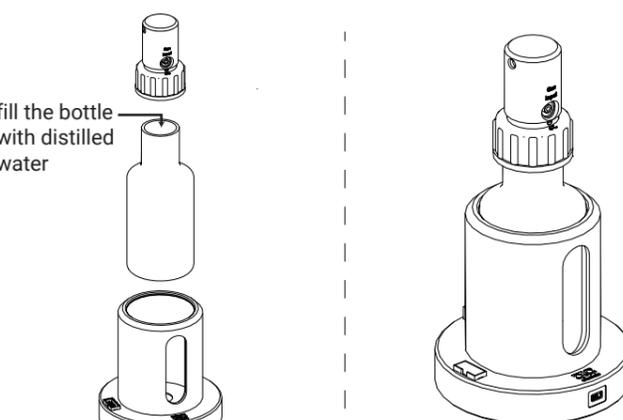


**PUSH-IN CONNECTOR**

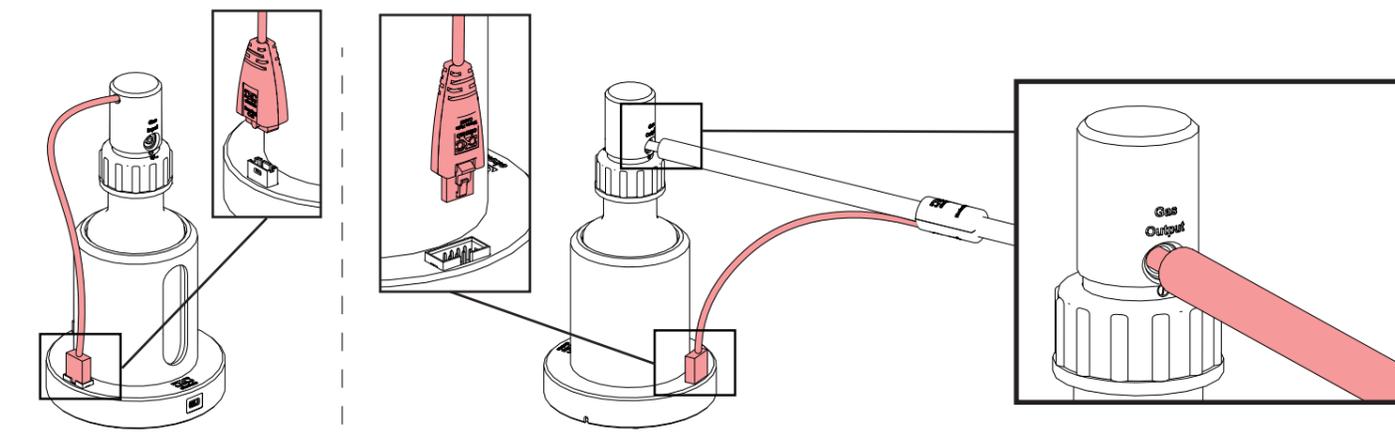


**STEP 7** Assemble the HM-ACTIVE-BL3 module as shown in the figure.

fill the bottle with distilled water

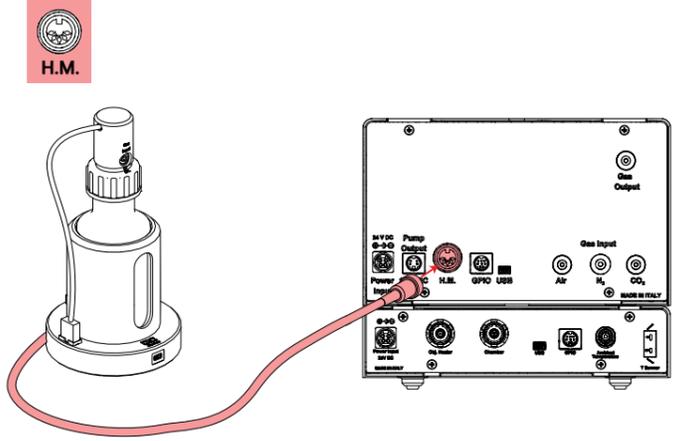


**STEP 8** Connect the sensing cell, and the heated tube to the base.



**STEP 9** Connect the sensing cell, and the heated tube to the base.

**H.M.**



**STEP 10** Connect the Gas Output of the CO2-O2-UNIT [10-21]-BL3 to the Gas Input of the HM-ACTIVE module by using the TUBE-EY.

Gas Output ↔ Gas Input

TUBE-EY

**STEP 11** Place the GR-4-M along the TUBE-A on the CO2 gas line. Use the TUBE-A to connect the CO2 and N2 line to the Gas Mixer.

#2 TUBE-A

Open the CO2 at 3 barg. Do not exceed 5 barg.

Open the N2 at 1.4 barg.

Flow Direction

N2

CO2

Open the CO2 at 3 barg. Do not exceed 5 barg.

Open the N2 at 1.4 barg.

Regulate the GF-REGULATOR at 1.4 barg.

Set at 1.4 barg

**STEP 12** Connect the Heated Tube from the HM-ACTIVE module to the gas input connector of the chamber.

**STEP 13** Plug the controllers into a power point.

Power Supply-Temperature Control Unit

Power Supply-Gas Control Unit

**STEP 14** Plug the controllers into a power point.

Power Supply-Gas Control Unit

**STEP 15** Connect the fine gauge thermocouple to read the temperature inside the sample.

Fine Gauge Thermocouple

Connect the NTC thermistor to read the room temperature.

NTC Thermistor

## 2. System Start & Quick Usage

**TURN THE SYSTEM ON**

Turn the system ON by pressing and holding the power button on the OKO-TOUCH.

**SET DATE&TIME**

Navigate to 'Settings' > 'System' > and click on the 'Date & Time' icon .

Settings System Date & Time

**CHAMBER SELECTION**

Navigate to 'Settings' > 'Temperature' > 'Chamber/Insert' and select the chamber and insert model you're going to use, by clicking on the chamber image. Press Next> to confirm.

*In order to select the correct chamber and insert, please verify the Bill.*

Settings Temperature Chamber/Insert

Chamber & Insert Wizard :: 1/2

Chambers: H303-K-FRAME, H303-Z-PIEZO et al. Features: CO2-H-IN-CHAMBER-SENSOR, Wireless LID, click HERE for a full list

Insert: TX35-INSERT

Fits any stages with k-frame insert (160x110mm).

OK Show image Cancel Next >

**SETPOINT**

Insert the values setpoint by clicking on the corresponding badges.

T set point 37.0°C

CO2 set point 1.0%

O2 set point 6.0%

NH set point 95%

**ALARMS**

To set an alarm select the value of Deviation (tolerance) from the set point and the time for which the value must be out of tolerance to send out an alarm.

Settings Alarm Temperature Gas Humidity

**OVERVIEW PAGE**

System Overview

Flow 0.40l/min

CO2 6.0%

O2 5.0%

Room 24.5°C

Lid 42.6°C

Base 39.8°C

Insert: 96MW

RH 95%

13:48

\*The figure shows the system with CO2-H-IN-CHAMBER-SENSOR mounted.