



# QUICK START GUIDE

for **SGX\_EVAL\_EC**



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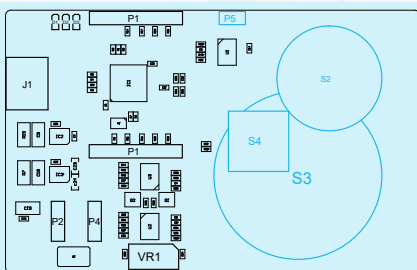
Download and Instal the **SGX EVAL EC** Software Application from [www.sgxsensortech.com/software](http://www.sgxsensortech.com/software)

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- Set the jumpers on the **SGX\_EVAL\_EC** PCB according to the specifications of the sensor.
  - If the sensor has 2 pins set the jumper middle and right.
  - If the sensor has 3 pins or more set the jumper left and centre.
- Adjust the bias potentiometer - according to the datasheet of sensor - using a small flathead screwdriver.

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- Connect the USB cable to the sensor **SGX\_EVAL\_EC** PCB and the PC.
- Start up the **SGX EVAL EC** Software Application.



Structure Diagram of the **SGX\_EVAL\_EC** with marked sensor sockets

Place the sensor in the appropriate dedicated socket.

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<b>S2</b>	Socket for SGX series 4 sensors / PS4
<b>S3</b>	Socket for SGX series 7 sensors
<b>S4</b>	Socket for SGX PS1
<b>P5</b>	Socket for SGX-VOX / AOX / EOX

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Plug the Cap onto the Gas Sensor.  
(You can order Gas sensors cap separately, because none are included in the **SGX\_EVAL\_EC** kit)

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- In the application calibrate sensor base line
- Connect the Air or Nitrogen, open the Gas Regulator. Use the flow controller to regulate the gas flow ideally around 500ml/min.
  - Wait for the Sensor to stabilize and press calibrate zero button.

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- In the application calibrate the Sensor sensitive
- Disconnect the Gas Cap of the Air or Nitrogen
  - Connect the Gas Cap of the Target gas and wait for 5 mins.
  - After Signals are stable, press Calibrate Span Button in application
  - In the application window select the channel to be calibrated in most cases this will be channel A only (exceptions are dual-sensors such as AOX, EOX, VOX). If you are calibrating a dual-sensor then you should calibrate channel A first and then connect the gas cylinder to calibrate channel B.
  - When calibrating, enter the gas saturation in ppm or %.

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Start doing the Experiments you want, Gas Sensor is now fully calibrated.