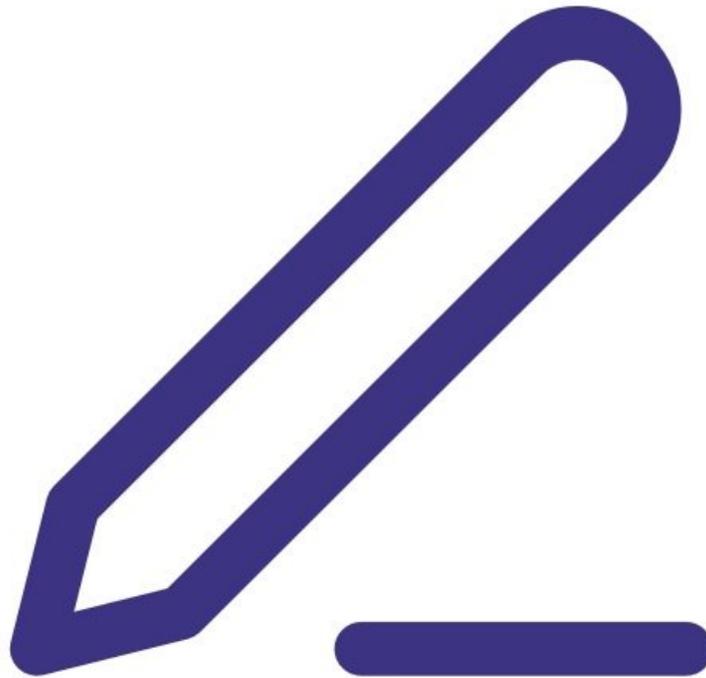




## 2. Define calibration run

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## INTRODUCTION

Offset and gain adjustments are automatically recorded by your monitor's journal, however the software doesn't record the fact that zero air or gas were actually delivered.

If you have an external calibrator such as the AirCal 1000, you can create a record of your calibration run – what air and gas you are going to deliver and in what sequence.

For historical reference, this is good practice because it means someone can:

- Look in the journal to see the name of a calibration run
- See what steps (points) were completed in a previous calibration run.
- Use the chart to see data recorded during a calibration run (zero data is highlighted green and span data is highlighted yellow).

Note: There's no communication between an external calibrator such as the AirCal 1000 and the monitor, so the calibration run you create is the expected sequence.

## Step 1 — Enter Calibration and Service app



- From the Aeroqual Connect of Aeroqual Cloud home screen, click **Calibration and Service**.
- Select **Calibration** from the side menu.

## Step 2 — Create calibration run

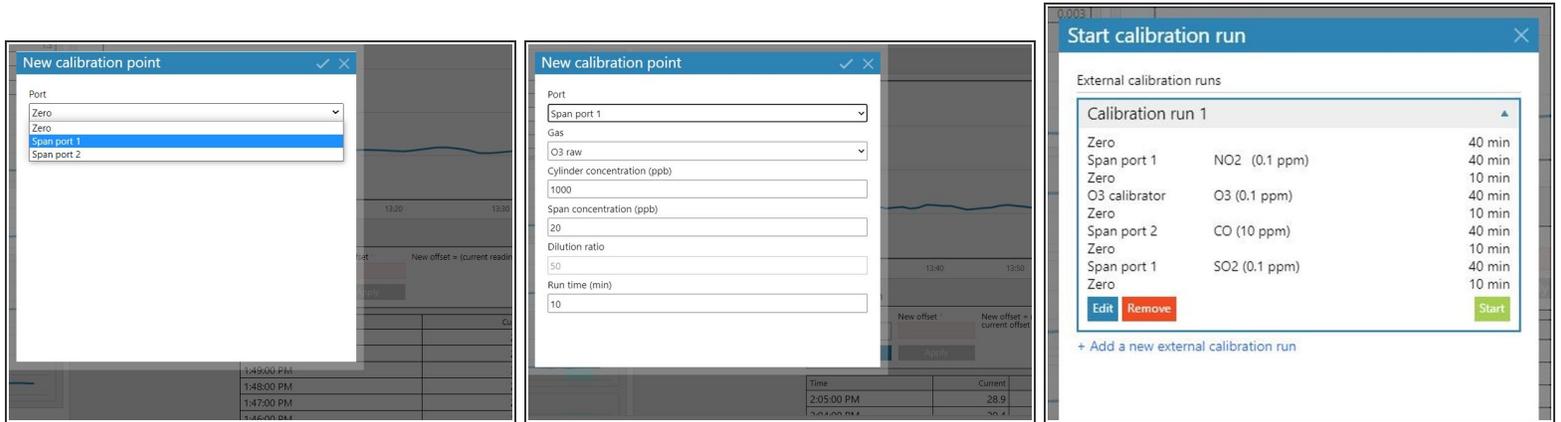
The screenshot shows the calibration run interface. On the left, there are two buttons: 'Start calibration run' and 'Previous calibrations'. The main area is divided into 'Offset' and 'Gain' sections. The 'Offset' section has a 'Current offset' field with the value '0.0', a 'New offset \*' field, and a 'New offset = (current offset)' label. Below these are 'Recommend' and 'Apply' buttons. A table below shows a list of calibration points with columns for 'Time' and 'Current'.

Time	Current
2:40:00 PM	29.2
2:39:00 PM	29.2
2:38:00 PM	29.6
2:37:00 PM	30.8
2:36:00 PM	31.3
2:35:00 PM	30.6
2:34:00 PM	30.6
2:33:00 PM	31.1
2:32:00 PM	31.2
2:31:00 PM	30.9

The 'New calibration run' dialog box is open, showing a 'Name' field with the text 'New calibration run'. Below it is a table with columns: 'Point', 'Port', 'Gas', 'Cylinder concentration', 'Span concentration', 'Dilution ratio', and 'Run time (min)'. The first row has the values: '1', 'Zero', 'Gas', 'concentration', 'concentration', 'ratio', and '10'. Below the table is a '+ Add a new calibration point' button.

- To define a calibration run, click the **Start calibration run** button.
- ① The **New calibration run** dialog box appears.
  - Click **Add a new calibration point**.
  - Type a name for your calibration run in the **Name** field.
  - The first point in your run defaults to zero air for 10 mins. You can click that row to edit it or click **Add a new calibration point**.

## Step 3 — Define calibration points



- Select **Span port 1** and fill in the point details.
- Click the tick in the title bar to save.
- Repeat this process to create as many points in the run as needed.
- Make sure you include a 10-minute zero air step between each span point to purge the gas lines.
- When you're ready to start your calibration work, click **Start**.
- Click **OK** when the confirmation message appears.

## Step 4 — Update calibration run

Time	Current
1:54:00 PM	28.7
1:53:00 PM	28.4
1:52:00 PM	28.5
1:51:00 PM	29.0
1:50:00 PM	29.5
1:49:00 PM	30.0
1:48:00 PM	29.5
1:47:00 PM	28.5
1:46:00 PM	28.2
1:45:00 PM	27.7

- The **New calibration run** pane appears on the **Calibration** screen. It shows a timer for the active point.
- To increase or decrease the time allocated to the active point, click the plus or minus icons.
  - ⓘ For example, you might increase the time for the zero point if the gas modules are taking longer than expected to stabilize.
- To miss a point, click **Skip**.
- To stop the run at any time, click **Stop**.

## Step 5

Time	Current	Average	Std Dev
1:45:00 PM	28.2	28.6	0.7

- To view your completed calibration run and any historical calibration runs, click the **Previous calibrations** button.
- Once a calibration run is saved, you can re-run it, edit it or delete it.
- To view data recorded during a calibration run, look for the vertical colored-stripes in your data chart (zero data is green and span data is yellow).

For further support, contact [Technical Support](#).