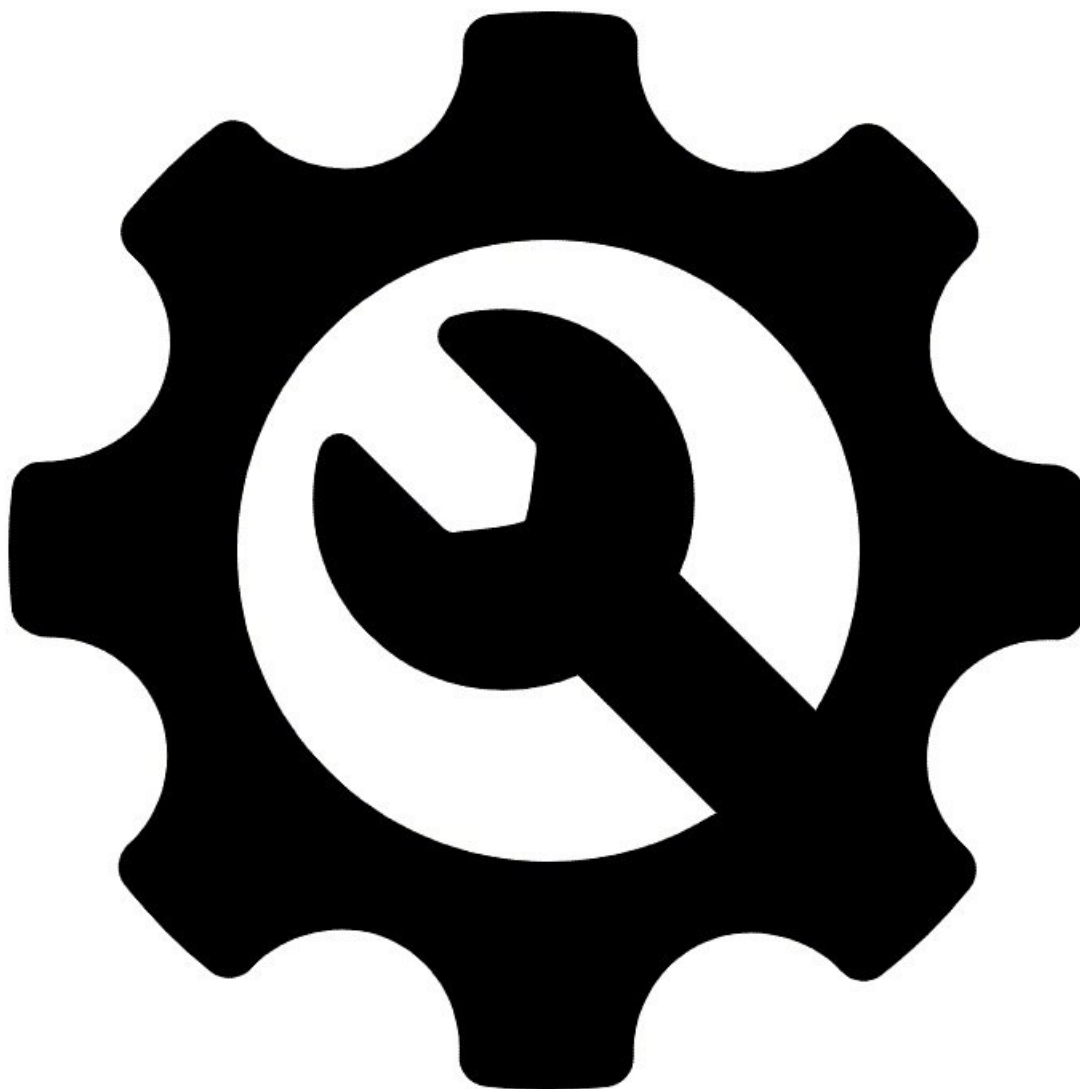




# Enter service mode

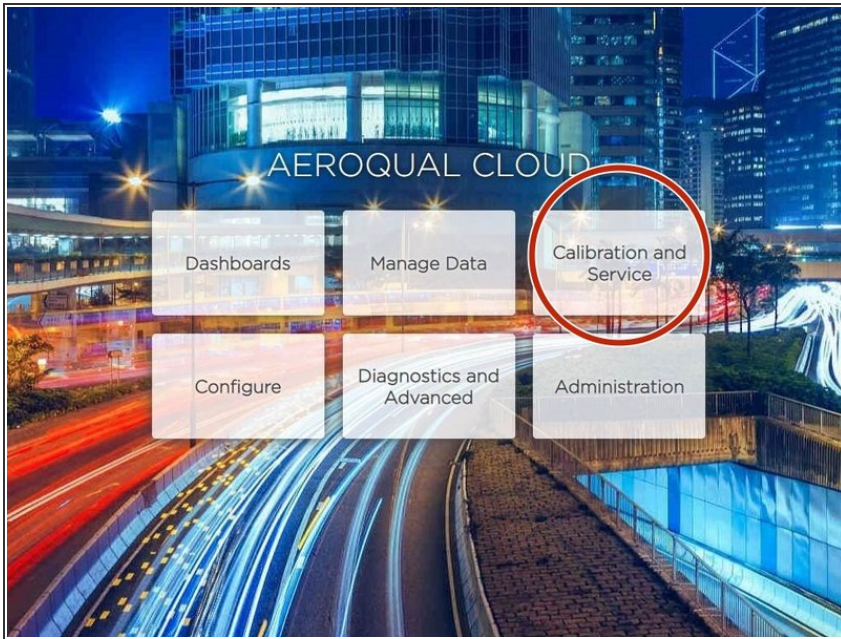
Written By: Tanya Taylor



## INTRODUCTION

Performing service work on your monitor, such as changing filters or measuring flow rates, can cause the gas or particle readings to fluctuate. It's important you identify service-related work so that any fluctuations related to that work can be excluded from air quality reports.

## Step 1 — Enter Calibration and Service app



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

## Step 2 — Enter service mode

Calibration and Service | Instrument | Sales & Support Demo AQY (AQY Demo-001)

Normal operation

Calibration

History

Manual Entry

Manual service mode **Start**

	NO2 ppb	Ox ppb	O3 ppb	O3 raw ppb	PM2.5 raw µg/m³	PM2.5 µg/m³	TEMP °C	RH %	DP °C
Gain	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Offset	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0
a	1.100		2.550						
b			1.870						

Time	NO2 ppb	Ox ppb	O3 ppb	O3 raw ppb	PM2.5 raw µg/m³	PM2.5 µg/m³	TEMP °C	RH %	DP °C
11:42 a.m.	2.9	29.6	24.2	23.7	1.7	1.1	15.74	86.8	13.6
11:41 a.m.	2.8	29.2	24.0	23.5	1.6	1.0	15.63	86.0	13.3
11:40 a.m.	3.1	29.7	24.2	23.8	1.9	1.2	15.60	86.6	13.4
11:39 a.m.	3.6	30.2	24.1	23.7	1.5	1.0	15.55	87.6	13.5
11:38 a.m.	4.7	30.4	23.4	23.0	1.3	0.8	15.48	87.6	13.4

Calibration and Service | Instrument | Sales & Support Demo AQY (AQY Demo-001)

Service in progress | time-out in 24 hours **Stop**

Calibration

History

Manual Entry

Service in progress **Stop**

	NO2 ppb	Ox ppb	O3 ppb	O3 raw ppb	PM2.5 raw µg/m³	PM2.5 µg/m³	TEMP °C	RH %	DP °C
Gain	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Offset	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0
a	1.100		2.550						
b			1.870						

Time	NO2 ppb	Ox ppb	O3 ppb	O3 raw ppb	PM2.5 raw µg/m³	PM2.5 µg/m³	TEMP °C	RH %	DP °C
11:48 a.m.	1.0	28.0	24.5	24.0	1.9	1.3	15.90	85.7	13.3
11:47 a.m.	2.8	28.6	23.4	22.9	2.0	1.3	15.96	85.7	13.3
11:46 a.m.	4.1	30.3	23.8	23.5	1.6	1.1	16.03	87.0	13.3
11:45 a.m.	2.1	30.3	25.6	25.0	1.7	1.1	15.90	86.8	13.3
11:44 a.m.	0.8	28.6	25.2	24.7	1.6	1.1	15.80	85.6	13.3
Average	2.2	29.1	24.5	24.0	1.8	1.2	15.92	86.2	13.3
Std Dev	1.2	1.0	0.8	0.8	0.1	0.1	0.08	0.6	0.1

- Select **Manual Entry** from the side menu.
  - Click **Start** beside **Manual service mode**.
  - A *Service mode pending* message appears before the monitor service successfully enters service mode.
- i** Any data created from your service work will now be labelled **Service**. (Normally data is labelled **Sample**.)

## Step 3 — Exit service mode

Service in progress | time-out in 24 hours **Stop**

Calibration

History

**Manual Entry**

Service in progress **Stop**

**Calibration parameters**

	NO2 ppb	Ox ppb	O3 ppb	O3 raw ppb	PM2.5 raw µg/m³	PM2.5 µg/m³	TEMP °C	RH %	DI %
Gain	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Offset	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0
a	1.100		2.550						
b			1.870						

**Real time measurements** Last 5 r

Time	NO2 ppb	Ox ppb	O3 ppb	O3 raw ppb	PM2.5 raw µg/m³	PM2.5 µg/m³	TEMP °C	RH %	DI %
11:48 a.m.	1.0	28.0	24.5	24.0	1.9	1.3	15.90	85.7	13.
11:47 a.m.	2.8	28.6	23.4	22.9	2.0	1.3	15.96	85.7	13.
11:46 a.m.	4.1	30.3	23.8	23.5	1.6	1.1	16.03	87.0	13.
11:45 a.m.	2.1	30.3	25.6	25.0	1.7	1.1	15.90	86.8	13.
11:44 a.m.	0.8	28.6	25.2	24.7	1.6	1.1	15.80	85.6	13.
Average	2.2	29.1	24.5	24.0	1.8	1.2	15.92	86.2	13.
Std Dev	1.2	1.0	0.8	0.8	0.1	0.1	0.08	0.6	0.

- After you've finished your maintenance work, return to the **Manual Entry** screen and click **Stop**.
- A *Service mode stop pending* message appears, giving you the option to cancel this action if you want.

## Step 4 — Filter data

AQM65 15022017-579 Data Export (2).csv - Excel

AGE LAYOUT FORMULAS DATA REVIEW VIEW

Font Alignment Number

	B	C	D	E	F	G	H
	(ppm)	H2S (ppm)	PID (ppm)	PM2.5 (µg/m³)	TEMP (°C)	RH (%)	Inlet
81		0	0.181	26.8	21.73	69	Sample
91		0	0.181	26.84	21.74	68.9	Sample
97		0	0.18	27.3	21.74	69.2	Sample
96		0	0.18	26.56	21.77	69.3	Sample
33		0	0.179	26.13	21.84	69.2	Sample
13		0	0.209	26.17	21.9	68.8	Service
08		0	0.238	26.73	21.95	68.7	Service
01		0	0.221	27.36	21.98	68.5	Service
94		0	0.188	28.59	21.97	68.3	Service
45		0	0.179	27.45	21.94	68.6	Service

- A data analyst can now use the **Inlet** column to filter out service data when performing quality control,

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calculating hourly or daily averages  
or writing air quality reports.

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