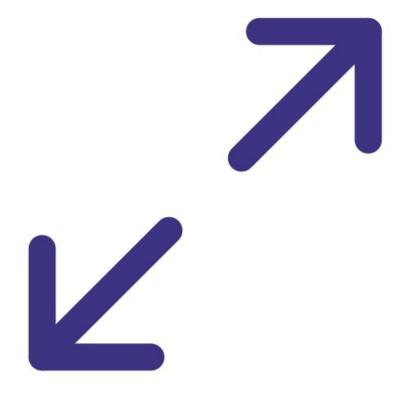


Manually span calibrate (via software)

Written By: Tanya Taylor



INTRODUCTION

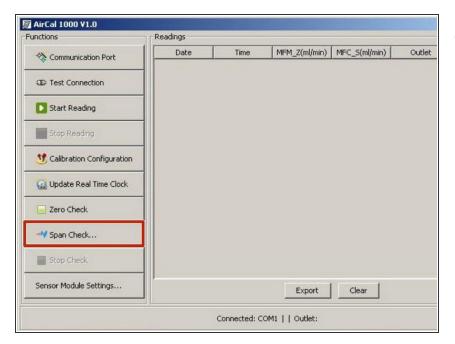
Use this guide to manually carry out a span check using the AirCal 1000 PC software.



PARTS:

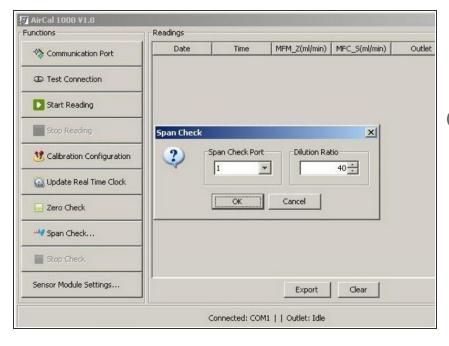
- AirCal 1000 portable calibrator (1)
- USB to RS232 converter (1)

Step 1 — Enter span function



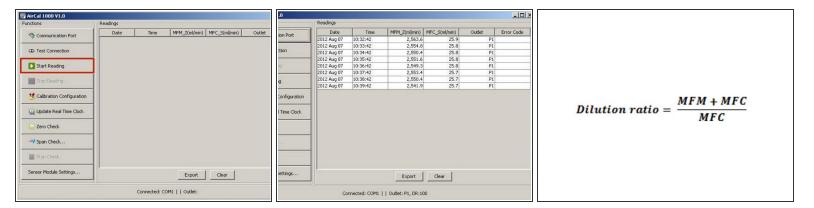
 Select the Span Check option in the Functions panel.

Step 2 — Choose span port



- When the Span Check dialog box appears, select the span check port from the drop-down menu.
- Each connected gas cylinder has a port assigned to it. Both ports are labelled clearly on the back of the AirCal 1000.
- Calculate the dilution ratio.
- Select the dilution ratio based on your calculation.
- Press OK.

Step 3 — Start span check



- To start the recording of data every minute, select Start Reading in the Functions panel.
- Wait 15 minutes for the flow rates to stabilize.
- The MFC flow rate adjusts to track to MFM flow rate. This ensures the correct dilution ratio is maintained.
- To stop data recording, select Stop Reading in the Functions panel. The data can then be cleared or exported to spreadsheet.
- To stop the span check completely, select Stop Check in the Functions panel.
- (i) The dilution ratio can be checked manually using the equation shown.

For further support, contact **Technical Support**.