

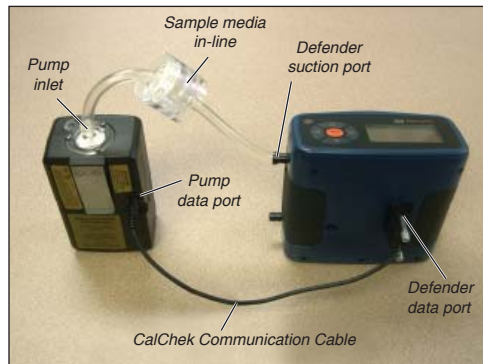


Operating Instructions

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CalChek with the Defender

The CalChek Communication Cable provides direct communication between a CalChek-compatible SKC AirChek 2000 or Leland Legacy sample pump and a Defender primary standard flowmeter.



AirChek 2000 Pump and Defender Flowmeter in a CalChek calibration train.

Connecting Defender and Pump Pneumatically

See individual pump operating instructions for details.

1. Use ¼-inch tubing to connect the Defender suction port to the CalChek-compatible pump inlet. Calibration may require sample media in-line. See individual pump operating instructions for details.
2. Run the sample pump for ≥ 2 minutes for stabilization.

Selecting Defender Data Port

1. Press and hold the Defender power button to turn on the flowmeter.
2. Press the right arrow to highlight **Setup**; press Enter.
3. Press the right arrow to highlight **Preferences**; press Enter.
4. Press the down arrow to navigate to **Data Port**.

5. Press the left or right arrow to toggle to **SKC**.
6. Press the down arrow to highlight **Confirm**; press Enter.

The display will return to the Setup menu.

Entering Defender Calibration Mode

1. Press the right arrow and then the down arrow to highlight **Measure**; press Enter.
2. Press the right arrow to highlight **Cont.**; press Enter.

Using the CalChek Communication Cable

1. Attach the female end of the CalChek Communication Cable to the serial port (RS-232) on the back of the Defender flowmeter.
2. Insert the male end of the CalChek Communication Cable into the data port on the sample pump.
3. Set sample pump to CalChek mode and select single-point or full (multiple-point) calibration (see individual pump operating instructions).

Note: The Defender flowmeter will begin to automatically calibrate the pump. The initial flow measurements are taken without flow from the pump and the pump flow rate is adjusted automatically.

4. When calibration is complete, the pump will return to normal operation.
5. Disconnect the CalChek Communication Cable and tubing.

Notice: This operating instruction may not address all safety concerns (if any) associated with this product and its use. The user is responsible for determining and following the appropriate safety and health practices and regulatory limitations (if any) before using the product. The information contained in this document should not be construed as legal advice, opinion, or as a final authority on legal or regulatory procedures.