

DPS System Quick Guide

Media Preparation and Installation

1. Prepare impaction discs and filters.
2. Disassemble impactor.
3. Insert collection filter in filter cassette.
4. Press prepared impaction disc into top of filter cassette.
5. Reinsert filter cassette in impactor.
6. Reassemble impactor.

Sampling Setup and Calibration

1. Set up sample pump. Set pump flow rate to 10 L/min. (*See Leland Legacy Quick Guide. For advanced programming, see Leland Legacy Operating Instructions.*)
2. Screw calibration adapter onto impactor.
3. Use tubing with quick-connect to attach pump inlet to outlet of impactor. Use short tubing to connect inlet of calibration adapter to outlet of flowmeter or calibrator to form a calibration train. **Note:** *SKC High Flow chek-mate Calibrator requires Pulsation Dampener Cat. No. 375-150 in line between calibration adapter inlet and calibrator outlet. See Leland Legacy or DPS System Operating Instructions.* Calibrate pump flow rate with flowmeter. Record the flow rate. Reset accumulated data if required.
4. Disconnect flowmeter or calibrator and remove calibration adapter from impactor. Remove calibration media and place new unexposed media in impactor if required.
5. Mount bracket at desired location.
6. Screw impactor onto mounting bracket.
7. Screw rain cover onto impactor.

Sampling

1. Turn on pump and record pertinent data. (*Leland Legacy pump may be started manually or automatically, see Quick Guide.*)
2. Turn off pump after desired sample time has elapsed. Record pertinent information.
3. Remove rain cover, reinstate calibration train, and verify pump flow rate.

Sample Removal

1. Use quick-connect to detach tubing from pump.
2. Disassemble impactor.
3. Remove impaction disc.
4. Remove filter cassette, disassemble, and remove collection filter.
5. Place collection filter in appropriate container for shipping.

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Leland Legacy Quick Guide

Terms »

Star button *

- Scrolls through run time data and Setup options

Up and down arrow buttons ▲▼

- Toggle between display choices and increase or decrease sampling parameters in Setup

Button sequence

▼ * = press buttons individually

[▲▼] = press simultaneously

▲▼ = security code, always press in sequence

Security code *▲▼*

- Prevents unauthorized changes to the pump's sampling program

Programming Sequences »

- **To activate pump (e.g., to change pump from Sleep to Hold):**

Press any button.

- **To change pump from Hold to Run or Run to Hold:**

Press [▲▼].

- **To reset accumulated data:**

Press [▲▼], then *▲▼*. Press * until *CLr* displays then press [▲▼]; press * until *End* displays then press [▲▼].

- **To set pump flow rate:**

Press [▲▼], then *▲▼*. Flow rate and SET flash. Press ▲ or ▼ to change flow rate. Press * until *End* appears then press [▲▼] to save setting and place pump in Hold.

- **To calibrate flow rate with standard calibrator:**

Press [▲▼], then *▲▼*. Flow rate and SET flash. Press ▲ or ▼ to change flow rate. Press * once. *ADJ* displays. Press ▲ or ▼ until desired flow rate is indicated on calibrator. When finished, press * until *End* displays then press [▲▼] to save new setting and place pump in Hold. For *CalChk Calibration*, see operating instructions.

- **To change temperature scale from F to C or C to F:**

Press [▲▼], then *▲▼*. Press * until temperature displays. Press ▲ or ▼ to switch units; press * until *End* displays then press [▲▼] to save new setting.

- **To change atmospheric pressure scale (mm, mb, In):**

Press [▲▼], then *▲▼*. Press * until pressure displays then press ▲ or ▼ to switch units; press * until *End* displays then press [▲▼] to save new setting.

- **To change time scale (12 Hr/24 Hr/Dela):**

Press [▲▼], then *▲▼*. Press * until 12 Hr, 24 Hr, or Dela displays then press ▲ or ▼ to switch units; press * until *End* displays then press [▲▼] to save new setting. To set delayed start (*Dela*), see operating instructions.

- **To change clock:**

Press [▲▼], then *▲▼*. Press * until clock displays then press ▲ or ▼ to change flashing hour; press * to move to minutes and ▲ or ▼ to change setting. Press * until *End* displays then press [▲▼] to save new setting.

- **To change the sampling time function:**

Press [▲▼], then *▲▼*. Press * until *ST L/min* displays then press ▲ to change flashing digit; press * until *End* displays then press [▲▼] to save new setting. To delete, follow above steps and press ▼ until 0 appears. Exit Setup.

Note: When in Setup, choosing Esc instead of End will exit Setup without saving new settings.

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