DCS System Quick Guide

Sampling Head and Cartridge Installation

1. Disassemble sampling head: Unscrew inlet from cartridge holder section. Unscrew cartridge holder section from exhaust section. Clean parts and allow to dry.

2. Thread cartridge holder section onto exhaust section.

3. Insert cartridge into cartridge holder (arrow pointing toward exhaust).

4. Reinstall inlet section onto cartridge holder section.

Setup and Calibration

1. Set up sample pump. (*See Leland Legacy® Quick Guide on reverse side.*)

2. Ensure cartridge is installed in sampling head.

3. Thread calibration adapter into sampling head inlet.

4. Use tubing with quick-connect fitting to connect pump inlet to outlet of sampling head.

5. Use short tubing to connect inlet of calibration adapter to outlet of calibrator.

6. Calibrate pump flow rate to 10 L/min and record the pre-sample flow rate.

7. Disconnect calibrator and remove calibration adapter from sampling head.

8. Mount bracket at desired location.

9. Install sampling head on mounting bracket.

10. Install rain cover on sampling head.

Sampling

1. Turn on pump and record pertinent data. (*Leland Legacy pump may be started manually or automatically, see Quick Guide on reverse side.*)

2. After desired sampling period, record sample stop time. Remove rain cover. Reinstate calibration train to verify pump flow rate. Record post-sample flow rate.

3. Turn off pump. Record pertinent information.

4. Remove sampling head: Use quick-connect to detach tubing from pump inlet. Remove tubing from sampling head. Remove sampling head from bracket. Move sampling head to a clean area.

Sample Removal

1. Disassemble sampling head: Unscrew inlet from cartridge holder section.

2. Lift cartridge from cartridge holder section, wrap in aluminum foil, and place in supplied PTFE jar. Transport to lab.

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 *CalChek 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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