

QUICK START GUIDE

SKC Leland Legacy Sample Pump

The parts of the pump, fitting and charging the battery pack, the keypad, and the keypad sequences that set and verify the flow rate and change the clock, display units and sampling time of the SKC Leland Legacy high flow sample pump.

AMTC-QG-0017

Read this first

The full safety information is in the Safety chapter of the operating manual (AMTC-MN-0043); read that chapter and the safety cautions below before you charge or run the pump. The Leland Legacy is not intrinsically safe: charging it, or running it from its charger, in a hazardous location can ignite an explosive atmosphere. You can download the operating manual from the product page at analyt-mtc.com.

The SKC Leland Legacy is a battery-powered high flow sample pump. This guide takes you from the box to your first sample: the parts of the pump, fitting and charging the battery pack, the keypad, switching on and off, and the keypad sequences that set the flow rate, verify it, and change the clock, the display units and the sampling time. It does not replace the operating manual.

Keep this guide for the lifetime of the product. The current revision is on the product page at analyt-mtc.com.

How this guide marks information

WARNING

A hazardous situation which, if not avoided, could result in death or serious injury.

NOTICE

Practices not related to personal injury — damage to the product, the process or the sample.

Note

Information that helps understanding; never a hazard.

Safety cautions

WARNING

The pump is not UL Listed for intrinsic safety. Charging it, or running it from the charger, in a hazardous location can ignite an explosive atmosphere. Do not charge the pump or operate it from the charger in hazardous locations.

NOTICE

A charger that is not approved for the pump can damage the battery pack and the pump. Use only the SKC-approved charger for this pump.

Using an unapproved charger, powering the pump from any device other than the approved battery pack, or not following the warnings and cautions has warranty consequences; they are set out in Analyt-MTC's terms.

Document information

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Related documents	SKC Leland Legacy Sample Pump — Operating manual (AMTC-MN-0043); SKC Leland Legacy Battery Pack — Instructions for use (AMTC-IN-0045)

Revision history

Rev.	Date	Change
1	October 2026	First issue.

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CHAPTER 1

Supplied items

Check the contents

The Leland Legacy pump comes with a Li-Ion battery pack and a screwdriver set. To charge it, the pump needs the Single Charger (223-241), which is ordered separately or comes in a kit. Check the delivery against your order; for the contents of a kit, ask Analyt-MTC.

Know the pump

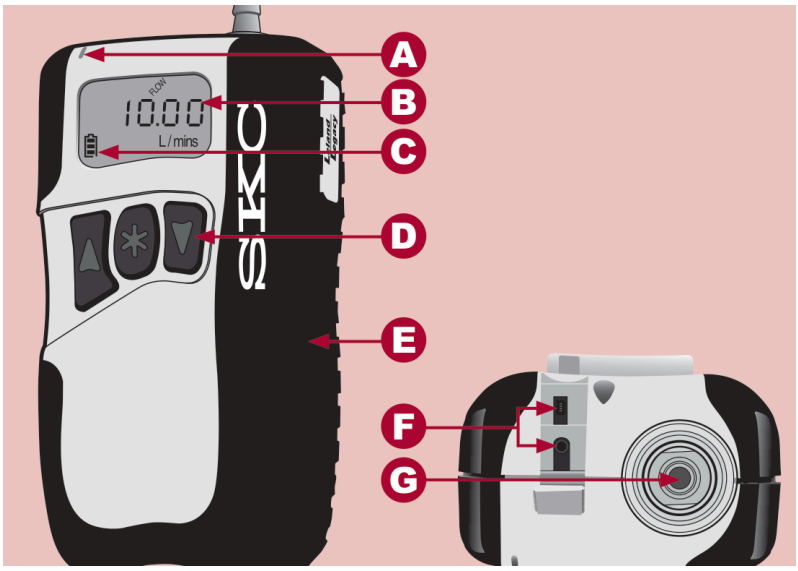


Figure 1-1. Front and top views. A Pump status LED. B Display (LCD). C Battery level indicator. D Keypad. E Rubber overmoulding. F Interface and battery jack. G Inlet.

CHAPTER 2

First use

Fit the battery pack

1. Align the connector of the battery pack with the connector inside the pump.
2. Press the battery pack into the pump body until it is flush with the pump case.
3. Insert and tighten the 3 screws, the longest screw in the top hole.
4. Charge the battery pack completely (below).

Charge the battery pack

Charge the battery pack completely before you operate the pump, outside any hazardous location (see Safety cautions (p. 2)). Recharging takes about 15 hours with the single charger. The battery pack may stay on the SKC-approved charger for an indefinite time.

1. Plug the single charger into a 100–240 V wall outlet.
2. Connect the charger to the battery jack of the pump (F).
3. Read the charge status on the charging status LED of the charger (below).

Watch the charging status LED steadily for more than 5 seconds.

LED	Charge status
On, steady	Charging in progress.
On for 2 s, off for 0.25 s, repeating	About 80 % charged.
Off for 2 s, on for 0.25 s, repeating	Charging complete.

Use the keypad

Key or sequence	What it does
∗ (star)	Scrolls through the run time data and the Setup options.
▲ ▼ (arrows)	Increase or decrease values such as the flow rate, and toggle between display choices.
▼ ∗	Keys written one after the other: press them individually.
[▲▼]	Keys in brackets: press them simultaneously.
∗▲▼∗	Security code: press the keys in this sequence to enter Setup. It prevents unauthorised changes to the sampling program of the pump.

Switch on, run and switch off

Take the first sample

1. Press and hold any key to switch the pump on. The pump goes from Sleep to Hold.
2. Set the flow rate (see Set the flow rate (p. 7)).
3. Verify the flow rate (see Verify the flow rate with a flowmeter (p. 7)).

4. Press **[▲▼]** to change from Hold to Run and start the sample.
5. At the end of the sample, press **[▲▼]** to change from Run to Hold.

To	Do this
Switch off by hand	Press and hold ∗ until the countdown starts (**OFF 3** on the display).
Automatic switch-off	The pump goes to sleep after 5 minutes in Hold without any activity.

Keypad sequences

Every sequence below opens Setup the same way: press **[▲▼]**, then enter the security code ∗▲▼∗.
To save, press ∗ until **End** is displayed, then press **[▲▼]**.

> **Note**
> In Setup, choosing **Esc** instead of **End** exits Setup without saving the new settings.

Set the flow rate

1. Press **[▲▼]**, then ∗▲▼∗. The flow rate and **SET** flash.
2. Press ▲ or ▼ to change the flow rate.
3. Press ∗ until **End** appears, then press **[▲▼]** to save the setting and place the pump in Hold.

Verify the flow rate with a flowmeter

1. Press **[▲▼]**, then ∗▲▼∗. The flow rate and **SET** flash.
2. Press ▲ or ▼ to change the flow rate.
3. Press ∗ once. **ADJ** is displayed.
4. Press ▲ or ▼ until the flowmeter shows the flow rate you want.
5. Press ∗ until **End** is displayed, then press **[▲▼]** to save the new setting and place the pump in Hold.

For CalChek single-point flow verification and full calibration, see the operating manual.

Units, time scale, clock and sampling time

Open Setup with **[▲▼]** and ∗▲▼∗, then:

To change	Do this, then save
Temperature scale (°F or °C)	Press ∗ until the temperature is displayed; press ▲ or ▼ to switch units.
Atmospheric pressure scale (**mm**, **mb**, **In**)	Press ∗ until the pressure is displayed; press ▲ or ▼ to switch units.
Time scale (**12 Hr**, **24 Hr**, **Dela**)	Press ∗ until **12 Hr**, **24 Hr** or **Dela** is displayed; press ▲ or ▼ to switch. To set a delayed start (**Dela**), see the operating manual.
Clock	Press ∗ until the clock is displayed; press ▲ or ▼ to change the flashing hour; press ∗ to move to the minutes and change them with ▲ or ▼.
Sampling time	Press ∗ until **ST L/min** is displayed; press ▲ to change the flashing digit. To delete the sampling time, press ▼ until 0 appears.

Reset the accumulated data

1. Press **[▲▼]**, then ∗▲▼∗.
2. Press ∗ until **CLr** is displayed, then press **[▲▼]**.
3. Press ∗ until **End** is displayed, then press **[▲▼]**.

CHAPTER 3

Care and service

Service

For service, calibration, repair and technical support, contact Analyt-MTC; the contact details are on the back cover. Replacing the battery pack is described in the operating manual and in the instructions for use of the battery pack (AMTC-IN-0045).

Accessories and replacement parts

Order from Analyt-MTC with the order codes.

Accessory or replacement part	Order code
Single Charger, 100–240 V	223-241
Take Charge 5, five-station charger for Li-Ion batteries, 100–240 V	223-441
Battery Charging Adapter, for charging batteries outside the pump	223-248
Protective Pump Pouch, black, noise reducing	224-89
DataTrac Software Cable for Leland Legacy, USB; the software is a free download	Ask Analyt-MTC
High Flow chek-mate Flowmeter, 5–30 L/min, with 9 V battery; calibration certificate traceable to UK standards. Needs Pulsation Dampener 375-150 to verify the flow of high flow pumps and for the CalChek single-point verification and full calibration of the Leland Legacy	375-50300
The same, with a calibration certificate traceable to NIST standards	375-50300N
The same, with a calibration certificate traceable to ISO standards	375-50300S
Battery pack, Li-Ion*	P75692C
Inlet filter and O-ring set, 5 filters and 1 O-ring	P40021B

* Li-Ion batteries are subject to special shipping regulations.

CHAPTER 4

Where to find more

This guide covers the first use of the pump. The documents below go further; you can download them from the product page at analyt-mtc.com, or ask Analyt-MTC.

Related documents

Document	Number	What it covers
SKC Leland Legacy Sample Pump — Operating manual	AMTC-MN-0043	The full safety information and the complete operating instructions, including CalChek verification, full calibration and the delayed start.
SKC Leland Legacy Battery Pack — Instructions for use	AMTC-IN-0045	The Li-Ion battery pack of the pump.

Contact and support

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Before you call

Have the following at hand so Analyt-MTC can help you quickly:

- the serial number of the pump;
- what you were doing, and what the display and the status LED showed.

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