

Leland Legacy Sample Pump

Area and Personal High Flows from 5 to 15 L/min

⦿ High flows — 5 to 15 L/min

- Provides the high flows and long run times of a vacuum-style pump in a compact, portable, battery-operated sampler within specified back pressure range

⦿ Designed for use with impactors, 8 L/min PPI Samplers, spore traps, 37-mm filters, low-volume PUF tubes, and other low-pressure applications†

⦿ Long 24-hour runs on one charge with Li-Ion battery

- Suitable for unattended ambient air sampling

⦿ Low noise, size, and weight

- Ideal for indoor air studies or unattended ambient air sampling

⦿ Longer runs + Higher flows = Enhanced sensitivity for measuring low concentrations

⦿ Highly accurate internal flow sensor acts as a secondary standard

⦿ Flexible programming options

- Manual three-button programmability using the large built-in keypad
- PC programmability with DataTrac® Software for Leland Legacy
 - Create complete running sequences, download sampling history, and generate exposure reports for ISO 9000 or quality programs

⦿ Large easy-to-read LCD

- Displays battery status indicator, flow fault, run time data, and sampling parameters

⦿ CalChek® automatic flow rate verification

- Provides hands-free direct communication to a high flow chek-mate® flowmeter
- Verify flow at a single flow point or calibrate across a range of flows

⦿ Adjustable datalogging interval from 3 seconds to 8 hours with DataTrac Software

⦿ Rugged and convenient case design

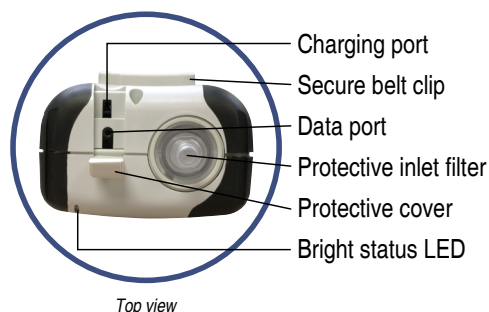
- Tough rubber overmolding protects the pump and provides a sure grip
- Anti-static thermoplastic material
- Inlet port with removable protective cover
- Easy-access computer interface and battery charging jack under protective cover

⦿ Performance with Sioutas Impactor verified by EPA-ETV

⦿ Featured in deployable sampler systems



† Leland Legacy is not recommended for high back pressure applications such as asbestos clearance sampling.



TYPICAL APPLICATIONS



Partner with [Sioutas Impactor](#) for childhood asthma studies



Combine with [IMPACT Samplers](#) in [SKC Deployable Sampler Systems](#)



Use with 8 L/min [PPI Sampler](#) for short-term respirable dust/silica sampling

PERFORMANCE PROFILE

Flow Range	• 5 to 15 L/min
Compensation Range (back pressure capability)	<ul style="list-style-type: none"> • 15 L/min at 5 inches water back pressure • 10 L/min at 12 inches water back pressure • 5 L/min at 20 inches water back pressure
Power	<ul style="list-style-type: none"> • Battery: Removable, rechargeable lithium-ion (Li-Ion), 7.4 V, 10.4 Ah capacity, 77 Wh • Charger/AC adapter: Input voltage 100 – 240 V AC
Typical Run Time[‡]	<ul style="list-style-type: none"> • Sioutas Impactor (approx. 13 inches water back pressure)- 24 hrs at 9 L/min; IMPACT Sampler-24 hrs at 10 L/min; Low-volume PUF Tube-24 hrs at 5 L/min; DPS Sampler (PM2.5 or PM10)-24 hrs at 10 L/min; Respirable PPI (8 L/min model)-24 hrs at 8 L/min; for extended run times, pump may be operated while attached to approved charger.
Accuracy	<ul style="list-style-type: none"> • Flow control: $\pm 5\%$ of set-point after flow rate verification to desired flow • Timing: 1 min/month at 25 C • Atmospheric pressure: ± 0.3 inHg
Display/Parameter	• LCD displays pump serial number, software revision level, flow rate, volume, temperature, atmospheric pressure, time of day, run time, and pump status (i.e., Hold and Run as well as setup information)
User Interface	• 3 large buttons
Sound Level*	• 62.5 dBA – pump without case; 52 dBA – pump housed in noise-reducing case (Cat. No. 224-89)
Tubing	• Requires 3/8-inch ID tubing
Dimensions/Weight	• 8 x 3.9 x 2.6 in (20 x 10 x 7 cm), 36 oz (1 kg)
Certifications/Markings	• CE, UKCA

[‡] Results when tested with a new pump and new fully charged battery. Pump performance may vary.

* Measured 3 ft (1 m) from pump operating at 10 L/min and 12 inches water back pressure

ORDERING

Available as Cat. No.

100-3002	Leland Legacy Pump only
100-3002-S	Starter Pump Kit
100-3002K	Single Pump Kit
100-3002K5	5-pack Pump Kit

"Pump only" requires a charger. See chargers and other accessories at www.skccinc.com.

Recommended Flowmeter**

375-50300	High Flow chek-mate with UK standard traceable calibration certificate
375-50300N	High Flow chek-mate with NIST standard traceable calibration certificate

**Available with ISO standard traceable certificate. Contact SKC for details.

Recommended Accessories

375-200	CalChek Communication Cable
877-92	DataTrac Software Cable
224-89	Noise-reducing Case

For details and additional accessories, visit www.skccinc.com