



Publication 1540 Rev 0407

AirLite Sample Pump

Personal Sampling from 5 to 3000 ml/min

The AirLite® sample pump is economically designed for personal sampling of asbestos, lead, and other airborne contaminants in environments where intrinsic safety is not required. Powered by economical, disposable AA alkaline batteries, the AirLite provides run times greater than 8 hours in the 5 to 3000 ml/min flow range with full back pressure compensation. A patented* flow control system, automatic features, and internal ambient temperature sensor ensure accurate air volumes and sample integrity. The bright LED indicates pump and battery status. AirLite is small and lightweight for easy attachment to a worker's belt where it won't interfere with worker activity.



◆ **Constant flow from 5 to 3000 ml/min**

- Accuracy: $\pm 5\%$
- Low flow from 5 to 500 ml/min with Low Flow Adapter Kit

◆ **Small and lightweight**

- Weighs only 12 oz (340 gm)

◆ **Long run times**

- Greater than 8-hour run times under most conditions

◆ **Economical & time saving**

- Powered by disposable AA alkaline batteries
- No down time for battery charging

◆ **Simple operation**

- Just turn on, calibrate, and sample
- No battery charging
- Easy access battery compartment

◆ **Complete sample integrity**

- Compensates flow for changes in back pressure and temperature
- Low battery shut-off when battery level too low to maintain compensated flow
- Indicator light: pump running, restricted flow (flow fault), and battery status
- Rugged RFI-shielded case
- User option flow fault shutdown
- CE approved

◆ **Ideal for sampling asbestos and lead to meet NIOSH methods**

- Designed for sampling applications that do not require intrinsic safety

◆ **Ideal for emergency response**

- Ready for immediate use
- No down time for battery charging
- Easily stored without maintenance

See reverse for specifications and ordering information.

* Patent No. 6,741,056



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AirLite Sample Pump

Personal Sampling from 5 to 3000 ml/min

Performance Profile

Compensated

Flow Range: 5 ml/min to 3 L/min, $\pm 5\%$
 (Flow range 5 to 500 ml/min requires Constant Pressure Controller (CPC) and Adjustable Low Flow Tube Holder - see Low Flow Adapter Kit)

Back Pressure

Range: below 1.5 L/min; 30 inches water
 below 2.0 L/min; 20 inches water
 below 2.5 L/min; 15 inches water
 below 3.0 L/min; 10 inches water

Compensated

Temp. Range: 41 to 122 F (5 to 50 C)

Power: Three standard AA alkaline batteries

Indicator

Functions: Flashing LED
Slow flash = normal run
Fast flash = flow fault
Double flash = low battery, less than 1 hour run time remaining
Flash every eight seconds = pump shutdown due to exhausted batteries
Four flashes every six seconds = pump shutdown due to flow fault

Run time

(new batteries): 8.5 hours @ 1 L/min, 25 inches water back pressure
 10 hours @ 2.5 L/min, 15 inches water back pressure

Case: Plastic, RFI-shielded

Dimensions: 4.6 x 3.0 x 1.75 in
 (11.7 x 7.6 x 4.4 cm)

Weight: 12 oz (340 gm)

Low Flow Sampling (5 to 500 ml/min)

Low flow sampling with AirLite requires a Low Flow Adapter Kit. See below.



Description	Cat. No.
AirLite Sample Pump* includes 3 AA alkaline batteries and screwdriver set	110-100
5-pack Pump Kits	
High Flow includes 5 each: AirLite sample pumps, cassette holders, and screwdriver sets and 1 carry case	110-100K5
High and Low Flow includes 5 each: AirLite sample pumps, cassette holders, Constant Pressure Controllers (CPCs), single adjustable low flow holders, type A covers, and screwdriver sets and 1 carry case	110-100K5D
Accessories	
Filter Cassette Holder , accommodates two- or three-part 37-mm or 25-mm cassettes with or without a cyclone. Clips to a worker's collar	225-1
Low Flow (5 to 500 ml/min) Adapter Kit includes Constant Pressure Controller (CPC), single adjustable low flow holder, and type A tube cover	110-500
Protective Nylon Pump Pouch with belt loop	224-902

* Not UL Listed for intrinsic safety.

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