

The *BUCK Libra Plus*™ LP-12 Personal Air Sampler consists of a pump contained in a high impact steel fiber filled Lexan, antistatic, and RFI/EMI-shielded case, exclusive electronic circuit board (patent pending) for constant flow control, an LCD display with 2 lines of 16 characters, a double diaphragm pump mechanism and a rechargeable NiMH battery pack.

The purpose of this pump is to draw air contaminants in through a sampling media such as 25, 37, and 47mm filter cassettes, to gauge personnel exposure to particulates, aerosols, and mold.

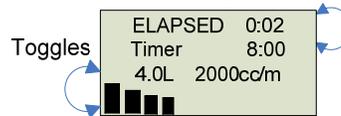
No tools are required to operate this pump and Keys lock to prevent it from being turned off. The main display allows quick selection to RUN (for sampling) or MENU (to reset pumps data).

Main Display



Other features include elapsed time, flow rate, and accumulated volume. The built in timer counts down the sampling time up to 40 hours and automatically turns the pump off. All data is saved, and cleared for next sample under the MENU "Clear All Data" option.

Sampling Display



**Powerful Personal
Sampling Pump**

Flow Range 3 to 12 LPM

Features:

- Flows up to 12 LPM
- Accuracy ± 5% of compensation range.
- Displays: elapsed time, accumulated volume and flow rate
- High backpressure compensation up to 40" of water 4 LPM
- Flow Compensation for filter plugging and battery voltage
- "Auto-restart" within one minute of a flow fault
- Battery pack rechargeable while attached or separately
- Compact, rugged and quiet
- Stainless steel belt clip with built-in tripod connector
- Key pad lock system
- One year warranty



Performance Profile

Flow Range: 3-12 LPM (3000-12000 cc/min)
50-800 cc/min with Universal Low Flow Holder
P.N. APB-109030

Compensation Range:

- 12.0 LPM from 3" up to 5" water back pressure
- 10.0 LPM from 3" up to 12" water back pressure
- 8.0 LPM from 3" up to 12" water back pressure
- 6.0 LPM from 3" up to 30" water back pressure
- 5.0 LPM from 3" up to 36" water back pressure
- 4.0 LPM from 3" up to 40" water back pressure
- 3.0 LPM from 3" up to 40" water back pressure

Accuracy: ± 5% of Compensation Range
Run Time (hrs.) at different Water Back pressure.

Flow Rate	Water Back Pressure							
LPM	5"	10"	15"	20"	25"	30"	35"	40"
3	50	36	26	20	17	15	12	10
4	41	29	23	17	13	11	9	8
5	31	23	18	14	11	9	8	
6	24	17	14	11	9	8		
8	14	11						
10	7	4						
12	4							

Pressure mode: 50-800 cc/min : 8 hrs.

Data Storage: Last flow rate, elapsed clock time, and accumulated volume is saved into memory until cleared for next sampling.

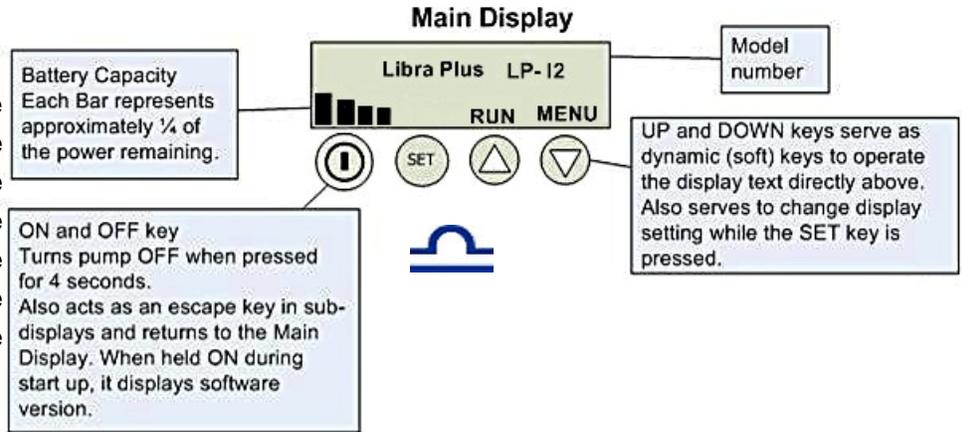
Display: Backlit LCD with 2 lines of 16 Characters

Normal Operation: Battery Level, Flow Rate, Elapsed Time, Volume Collected, Timer

Flow Fault Displays: Flow Fault, or Filter Off

Operating Instructions

LIBRA PLUS OPERATION DISPLAYS



Specifications

Power Supply:

Triple Pack, NiMH Batteries 4.8V, 6.45 Ah

Recharge Time:

Charger:

Battery	Standard	QuickOne™	QuickFive™
Triple Pack	12Hr	6Hr	6Hr

Quick-Chargers: Input voltage 100 to 240 VAC

Approvals: CE EMC Directive (EMCD) 89/336/EEC

Temperature:

Operating	32°F to 113°F	(0°C to 45°C)
Storage	32°F to 113°F	(0°C to 45°C)
Charging	41°F to 104°F	(5°C to 40°C)

Case: Polycarbonate steel fiber filled, RFI/EMI-shielded

Size: 6.75"H x 4"W x 2"D

(14.6 cm H x 10.2 cm W x 5 cm D)

Weight: 31 oz (879g)

PRODUCT	DESCRIPTION
APB-906250	* BUCK Libra Plus™ LP-12 120v Pump Kit
APB-906260	* Buck Libra Plus™ LP-12 230v Pump Kit
APB-942512	**BUCK Libra Plus™ LP-12, 5-pack Pump Kit

Rev. 09.29.2010

- Pump kit includes pump with NiMH triple pack battery, standard 120 or 240 VAC battery charger, Luer hose adapter, shirt/hose clip, 3 feet of vinyl hose and operating manual.

Order QuickOne™ and QuickFive™ rapid charger and accessories separately.

** Pump 5-pack includes 5 each: pumps with NiMH triple pack battery, Luer hose adapter, shirt/hose clip, and 3 feet of vinyl hose. Also included: two operating manuals, one QuickFive™ rapid charger 100-240 VAC, and a durable hard plastic case (Pelican 1500 for LP-7, LP-12 and Pelican 1600 for LP-20) with a lifetime warranty that accommodates additional accessories.

Order accessories separately.