

The *BUCK Libra Plus*™ LP-20 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.

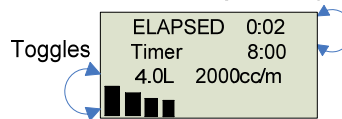
No tools are required to operate this pump and Keys lock to prevent it from being turned off. The main display allows quick selection to RUN (for sampling) or MENU (to reset pumps data).

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 5 to 20 LPM

Features:

- Flows at 15 LPM for Air-O-Cell/Allergenco-D Cassettes sampling
- Accuracy $\pm 5\%$ of display reading or pump Flow Faults
- Displays: elapsed time, accumulated volume and flow rate
- Flow Compensation for filter plugging and battery voltage
- "Auto-restart" within one minute of a flow fault
- Battery pack rechargeable while attached or separately
- Stainless steel belt clip with built-in tripod connector
- Key pad lock system
- One year warranty

* .8 μ PCM, Max Flow with this filter 5.5LPM



Performance Profile

Flow Range: 5.0 to 20.0 LPM

Compensation Range:

- 20.0 LPM up to 5" water backpressure
- 15.0 LPM up to 10" water backpressure
- 10.0 LPM up to 15" water backpressure
- 9.0 LPM up to 17" water backpressure
- 7.0 LPM up to 18" water backpressure
- 5.0 LPM up to 25" water backpressure

Accuracy:

± 5% of Compensation Range

Run Times:

Backpressure Inches of water	Flow Rate LPM					
	5	7	10	12	15	18
5"	37Hr	29Hr	18Hr	14Hr	11Hr	9Hr
10"	26Hr	20Hr	13Hr	10Hr	8Hr	
15"	19Hr	15Hr	10Hr	8Hr		
20"	15Hr	12Hr	8Hr			
25"	12Hr	9Hr				

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

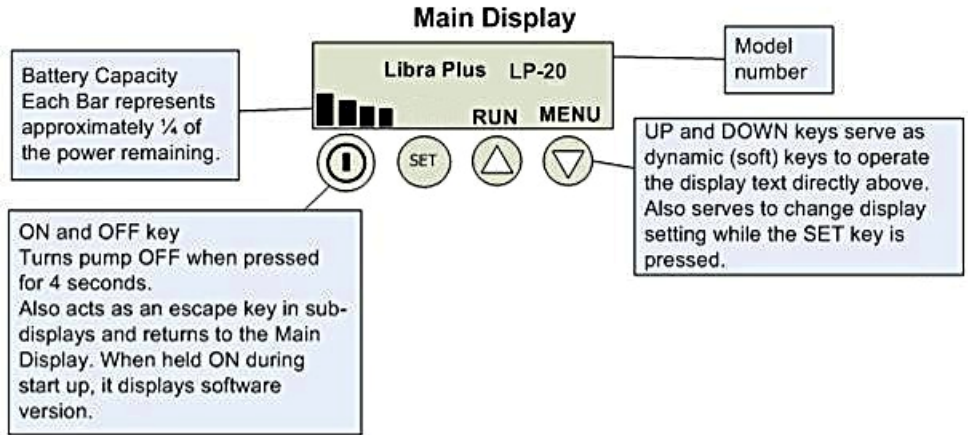
Display: Backlit LCD with 2 lines of 16 Characters

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:

<u>Battery</u>	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)

PRODUCT	DESCRIPTION
APB-906700	* BUCK Libra Plus™ LP-20 120V Pump Kit
APB-906710	* BUCK Libra Plus™ LP-20 230V Pump Kit
APB-942520	**BUCK Libra Plus™ LP-20, 5-pack Pump Kit

Rev. 9/29/2010

* Pump kit includes pump with a triple pack NiMH battery, Standard 120 or 230 VAC battery charger, Luer hose adapter, shirt/hose clip, 3 feet of vinyl hose and operating manual.

QuickOne™ charger and accessories sold separately.

** Pump 5-pack kit includes 5 each: pumps with triple pack NiMH batteries, Luer hose adapter, shirt/hose clip, and 3 feet of vinyl hose. Also included is two operating manuals, one QuickFive™ charger 100-240VAC, and a durable hard plastic 1600 Pelican case with lifetime warranty that accommodates additional accessories.

Order accessories separately.