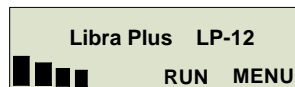


The *BUCK Libra Plus*™ LP-12 Personal Air Sampler consists of a pump contained in a high impact steel fiber filled Lexan, antistatic, and RFI/EMI-shielded case, exclusive electronic circuit board (patent pending) for constant flow control, an LCD display with 2 lines of 16 characters, a double diaphragm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

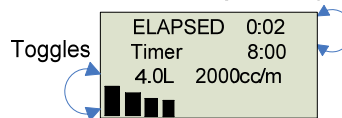
No tools are required to operate this pump and Keys lock to prevent it from being turned off. The main display allows quick selection to RUN (for sampling) or MENU (to reset pumps data).

#### 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  $\pm 5\%$  of display reading or pump Flow Faults
- Displays: elapsed time, accumulated volume and flow rate
- High backpressure capable for 25mm 0.45 $\mu$  asbestos filters
- 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



Rev. 01-2006

**Performance Profile**

Flow Range: 3-12 LPM

Compensation Range:

- 12 LPM up to 4.5" water backpressure
- 10 LPM up to 10" water backpressure
- 8 LPM up to 18" water backpressure
- 6 LPM up to 20" water backpressure
- 4 LPM up to 20" water backpressure
- 3 LPM up to 20" water backpressure

Accuracy:

± 5% of Compensation Range

Run Times:

LPM

	<u>3</u>	<u>5</u>	<u>6</u>	<u>8</u>	<u>10</u>	<u>12</u>
5"	69Hr	43Hr	34Hr	24.3Hr	16.1Hr	12.6Hr
10"	47.7Hr	30.8Hr	25Hr	18.3Hr	12.9Hr	
15"	36.6Hr	23Hr	19Hr	14.1Hr		
20"		18.9Hr	15.4Hr			
25"		16.1Hr	13.7Hr			

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

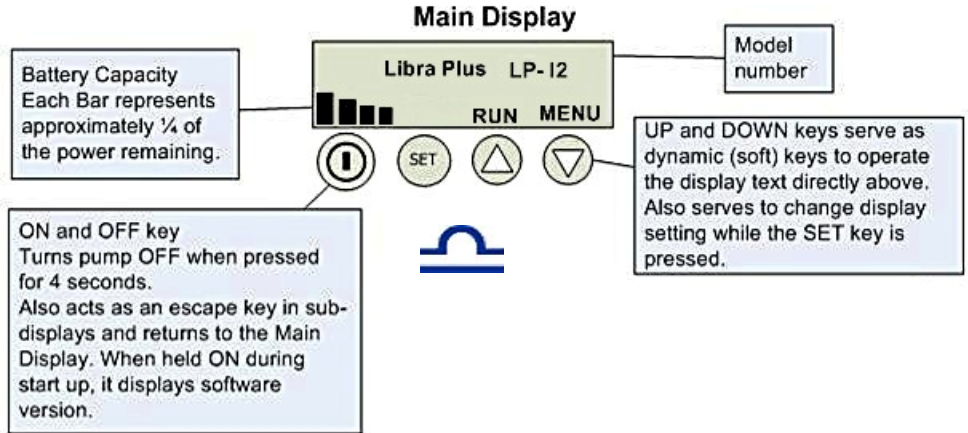
Display: Backlit LCD with 2 lines of 16 Characters

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	QuickOne™	QuickFive™
Triple Pack	3Hr	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:** 5.75"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 <i>Libra Plus</i> ™ LP-12 Pump Kit
APB-942512	**BUCK <i>Libra Plus</i> ™ LP-12, 5-pack Pump Kit

Rev. 01-2006

\* Pump kit includes pump with a triple pack NiMH battery, QuickOne™ 100-240VAC battery charger, Luer hose adapter, shirt/hose clip, 3 feet of vinyl hose and operating manual.

\*\* 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 1500 Pelican case with lifetime warranty that accommodates additional accessories.