The **BUCK Libra™ L-4** is a low-cost, high-performance personal air sampling pump. It is a “no frills” model designed for the sampling of asbestos, lead, and other airborne contaminants. The rugged, compact design features a rechargeable NiMH battery with available one-hour charger. The sealed pump case protects the internal components from dust, fibers and moisture. Simplicity of its operation features “Set it and Forget it” flows at 2.0, 2.5 & 3.0 LPM; maintained within ±5% for full constant flow compensation using 37 and 25mm cassettes interchangeably. This insures accurate sample volumes based on the run time. The **BUCK Libra™ L-4** is capable of delivering up to 4.0 LPM for periods exceeding 8 hours. Bright LED’s indicate the pump is ON, Flow Fault or a Low Battery. Flow from 5 to 800 cc/min may be obtained using optional Low Flow Holder.

**Features:**
- Compact, rugged and quiet
- No tools required to change flow rates
- Flow setting is saved in memory for next day quick start
- Battery pack rechargeable while attached or separately
- Stainless steel belt clip with built-in tripod connector
- One-hour rechargeable batteries and extended run triple packs
- High impact steel fiber filled Lexan case, antistatic and RFI shielded
- “Auto-restart” within one minute of a flow fault
- Flows up to 4 LPM for special cyclone requirements
- Low flows, 5 to 800 cc/m, with Universal Low Flow Sorbent Tube Holder
- High backpressure capable for 25mm 0.45µ micron asbestos filters
- Built in washable stainless steel 100 micron filter for economy of use
- One year warranty

Rev. 01-2006
**Performance Profile**

**Flow Range:** 5-4000 cc/min

- 5-800 cc/min with Universal Low Flow Holder

**Compensation Range:**
- 1.5 LPM up to 15” water backpressure
- 2.0 LPM up to 35” water backpressure
- 2.5 LPM up to 30” of water backpressure
- 3.0 LPM up to 20” water backpressure
- 4.0 LPM up to 8” water backpressure

**Accuracy:**

+/- 5% of the flow set point

**Run Times:**

<table>
<thead>
<tr>
<th>Flow Rate cc/min</th>
<th>Filter</th>
<th>2000</th>
<th>2500</th>
<th>3000</th>
<th>4000</th>
</tr>
</thead>
<tbody>
<tr>
<td>37mm 0.8µ PVC</td>
<td></td>
<td>23Hr</td>
<td>19Hr</td>
<td>18Hr</td>
<td>16Hr</td>
</tr>
<tr>
<td>37mm 0.8µ MCE</td>
<td></td>
<td>21Hr</td>
<td>16Hr</td>
<td>16Hr</td>
<td>13Hr</td>
</tr>
<tr>
<td>25mm 0.8µ MCE</td>
<td></td>
<td>15Hr</td>
<td>12Hr</td>
<td>10Hr</td>
<td></td>
</tr>
<tr>
<td>25mm 0.45µ MCE</td>
<td></td>
<td>11Hr</td>
<td>10Hr</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Specifications**

**Power Supply:**
- Single Pack, NiMH Batteries: 4.8V, 2.15 Ah
- Triple Pack, NiMH Batteries 4.8V, 6.45 Ah

**Recharge Time:**

<table>
<thead>
<tr>
<th>Battery</th>
<th>Charger</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Pack</td>
<td>QuickOne™</td>
</tr>
<tr>
<td>Triple Pack</td>
<td>1Hr</td>
</tr>
<tr>
<td></td>
<td>3Hr</td>
</tr>
</tbody>
</table>

**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 40°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:** 4.5”H x 4”W x 2”D  (11.4 cm H x 10.2 cm W x 5 cm D)

**Weight:** 16 oz (453g)

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**PRODUCT** | **DESCRIPTION**
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APB-926000 | *BUCK Libra™ L-4 Pump Kit*
APB-942600 | **BUCK Libra™ L-4, 5-pack Pump Kit**
APB-109030 | Adjustable Universal Low Flow Holder

* Pump kit includes pump with a single pack NiMH battery, standard 120VAC battery charger (APB– 926020 comes with 230VAC charger), Luer hose adapter, shirt/hose clip, 3 feet of vinyl hose and operating manual. Kit does not include universal low flow holder for sorbent tubes.

** Pump 5-pack kit includes 5 each: pumps with single 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. Kit does not include universal low flow holder for sorbent tubes.