

BUCK

A.P. BUCK, INC.

BUCK LINEAIR™ 40

Ultra-Quiet Sampling Pump

INSTRUCTION MANUAL



A.P. BUCK, INC.

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Man. Lin.40 Rev. 8/07

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OWNER REGISTRATION

Please complete and fax this card to **407-851-8910** to properly register your unit

Contact Name _____

Company _____

Address _____

City _____ State _____ Zip Code _____

Country _____ Phone Number _____

Fax _____ Email Address _____

Purchased From _____

Purchase Date _____

Important: List all products purchases and corresponding serial numbers:

Please obtain an RMA number prior to returning any product. Call us at 407-851-8602 and have the serial number and model of the unit available.

OWNER SURVEY

Where did you learn about our products:

Mailing

Direct Sale Phone/Fax Website

Magazine

Name & Issue Date

Trade Show

Distributor Referral

Name: _____

Comments: _____

What made you decide to buy:

Product Technology / Features

Product Quality / Reliability

Price

Reputation of Company

Product Availability

Service / Support

LinEar™ 40 Quick Start Guide



1. Attach tubing.

2. Adjust knob to desired flowrate.

3. Select the "ON" button.

Design and Features

The Buck LinEair™40 Sample Pump is a 5-35 LPM linear piston air sampling pump with long life motor providing impressive power, compact size, and ultra-quiet operation and low current drain for a wide range of sampling applications. With the LinEair 40™, you can use filters, PUF samplers, sorbent tubes, charcoal cartridges, cascade impactors, bioaerosol spore trap cassettes and many other collection devices. It's suitable for bioaerosol sampling, indoor air studies, fence-line monitoring, background monitoring, total particulate studies, and many other applications. The Buck LinEair™40 makes air sampling fast and easy. It comes complete with flowmeter, flow control valve, and easy front-mounted operating fittings. An optional weather-resistant case helps protect the unit in the field during transport. The LinEair™40 is ideal for indoor or weather protected sampling applications that do not require intrinsic safety.

TECHNICAL SUPPORT SERVICES

Technical Assistance: (407) 851-8602
Fax: (407) 851-8910
Email: apbuck@apbuck.com
Web site: www.apbuck.com
Hours : Monday–Friday
8:00 AM to 4:30 PM
(EST)

If you need additional information or help during installation or normal use of this product, contact A.P. BUCK, Inc. Technical Support. Our customer support staff will attempt to answer your installation questions by phone or issue a service authorization number for repair or replacement of your product. Unauthorized returns will not be accepted. When calling for support, please have your product serial number and product model available.

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Section 2 cont.

Features

- 5 - 35 LPM Flow Rate for Particulates, Gases, Vapors, Bioaerosols, etc.
- Easy to operate
- Compact, Lightweight (6 lb.)
- Ultra-Quiet operation (less than 70 dbA at 1 ft.)
- Handles backpressures up to 132" water (9.7" Hg)
- AC operation
- Ideal for IAQ, Environmental, Area Sampling

Section 3

Pump Specifications

Size: 8.25" H x 6" W x 8" D

Weight: 6 lb.

Operating Voltage: 115V AC (APB - 504000)
230V AC (APB - 504200)

Flow range: 5-35 LPM

Max. Flow @ 15"H²O: 31 LPM

Operating Temp. Range: 35°F-100°F

Asbestos Standards:

Asbestos NIOSH Method 7400 - AHERA
Part 763
PAHs in Indoor Air EPA Method IP-7
PM10 and PM2.5 in Indoor Air
EPA Method IP-10A

SERVICE INFORMATION

For all work not covered under warranty, A.P. Buck, Inc. will repair any instrument for the cost of parts and labor as quoted. If major components must be replaced, A.P. Buck, Inc. will notify the customer before proceeding with repairs.

When returning any instrument for service, please include a Purchase Order marked: "Repair – Cost Not to exceed \$250.00 without customer authorization". Please provide the following information with your instrument:

Company Name:

Address:

Telephone:

Fax:

Contact Name:

Serial Number(s):

Date of Purchase:

Service Required or Description of Problem:

You must obtain an RMA number prior to returning any product. Obtain your RMA number by calling A.P. Buck, Inc. Customer Service at 800-330-BUCK or 407-851-8602. To expedite service and repairs, have your Customer ID handy.

Please ensure that all products returned to A.P. Buck, Inc. contain no hazardous materials. Any obviously contaminated product received will be returned to the customer. All products scheduled for service must be received within 30 days of the RMA number issuance date. Unauthorized products will be returned to the customer.

LIMITATION OF LIABILITY

The seller shall not be liable for any claim for consequential loss or damage arising or alleged to have risen from any delay in delivery malfunction or failure of the equipment. The Seller's liability for any other loss or damage arising out of or connected with the manufacture, sale or use of the equipment sold, including damage due to negligence, shall not in any event exceed the price of the equipment supplied by us.

A.P. Buck, Inc. reserves the right to make changes at any time, without notice, in prices, colors, materials, specifications, and models; and to discontinue models.

Section 4

Typical Applications

- Indoor Air Quality (IAQ) sampling
- Bioaerosol sampling
- Particulate and Gas/Vapor studies
- Hospitals, clinics, treatment rooms
- Pharmaceutical production areas
- Semiconductor production areas
- Remote area sampling
- Confined space sampling
- Field gas/vapor sampling
- Stack and combustion sampling

Bioaerosol Sampling Indoor Air Studies

Offices, cafeterias, laboratories, meeting rooms

Schools Classrooms, auditoriums, HVAC systems studies

Fenceline Monitoring

Background Monitoring

Total Particulates

Soil Gas Sampling

Well Head Sampling of Organic Vapors

(Any application requiring a compact, lightweight, ultra-quiet sampling pump with max 40 LPM sampling capacity.)

Section 5

Parts and Accessories

1. **Buck LinEair™ 40, 5-35 LPM Sampling Pump**, 115V AC, including 10 ft. vinyl tubing (APB-504000)
2. **Buck LinEair™ 40, 5-35 LPM Sampling Pump**, 230V AC, including 10 ft. vinyl tubing (APB-504200)
3. **Weather resistant case** for LinEair™ 40 (APB-104100)
4. **Tripod** for media support, extends to 48 in. (APB-104102)

WARRANTY

The seller warrants to the Purchaser that any equipment manufactured by it and bearing its name plate to be free from defects in material or workmanship, under proper and normal use and service, as follows: if, at any time within 1 year from the date of sale, the Purchaser notifies the Seller that in his opinion, the equipment is defective, and returns the equipment to the Seller's originating factory prepaid, and the Seller's inspection finds the equipment to be defective in material or workmanship, the Seller will promptly correct it by either, at its option, repairing any defective part or material or replacing it free of charge and return shipped lowest cost transportation prepaid (if Purchaser requests premium transportation, Purchaser will be billed for transportation costs). If inspection by the Seller does not disclose any defect in material or workmanship, the Seller's regular charges will apply. This warranty shall be effective only if installation and maintenance is in accordance with our instructions and written notice of a defect is given to the Seller within such period. This warranty is exclusive and is in lieu of any other warranties, written, oral or implied; specifically without limitation, there is no warranty of merchantability or fitness for any purpose. The liability of the Seller shall be limited to the repair or the replacement of materials or parts as above set forth.